

5 Documents

This chapter contains the documents for the CMU basic unit. The documents for the modules with the description of function, adjustment and interfaces are relegated to the Service Manual, Stock no. 1110.4903.92. To order replacement parts and modules please contact our *spare parts express service* or your Rohde & Schwarz service representative and note the hints given in the following section, *Module and Cable Exchange*.

The address of our *spare parts express service* and a list of Rohde & Schwarz representatives can be found at the beginning of this service manual.

Module and Cable Exchange

Table 5-1 at the end of this section lists all power cables available. The stock numbers necessary for ordering replacement parts and modules can be found in the component lists further down.



Important Note!

When replacing a module please note the safety instructions and the repair instructions given in chapter 3 of this service manual.

Ordering replacement parts

To deliver replacement parts promptly and correctly we need the following indications:

- Stock number (see component lists in this chapter)
- Designation
- Component number according to component list
- Number of pieces
- Instrument type the replacement part belongs to
- Contact person for possible questions

Replaced modules

Replaced modules are an economic alternative for original modules. It should be kept in mind that replaced modules are not new, but repaired and fully tested parts. They may have traces from use but they are electrically and mechanically equivalent to new modules.

To find out which replaced modules are available, please refer to your Rohde & Schwarz representative (or to the central service division, Rohde & Schwarz Munich). The identification number is usually the same as for the original module, but with a variant index .95, .96, .97 or .98.

Ordering and delivery of replaced modules

For ordering replaced modules, the same indications as for ordinary parts are required, however, with the corresponding variant index appended to the stock number.

Taking back defective replacement modules

Defective modules of the replacement program which can be repaired are taken back within **3 months** after delivery of the replaced module. A repurchasing value is credited.

Excluded are parts which can not be repaired, e.g. PCBs that are burnt, broken or damaged by repair attempts, incomplete modules, parts which are heavily damaged mechanically.

The defective parts must be sent back with a **returned accompanying document** containing the following information:

- Stock number, serial number and designation of the dismounted part,
- **Precise** description of the error,
- Stock number, serial number and designation of the instrument the part was dismounted from,
- Date of dismantling,
- Name of the technician who exchanged the part.

A returned accompanying document is provided with each replacement module.

Table 5-1 List of power cables available

Stock No.	Earthed-contact connector	Preferably used in
DS 006.7013	BS1363: 1967 complying with IEC 83: 1975 standard B2	Great Britain
DS 006.7020	Type 12 complying with SEV-regulation 1011.1059, standard sheet S 24 507	Switzerland
DS 006.7036	Type 498/13 complying with US-regulation UL 498, or with IEC 83	USA/Canada
DS 006.7107	Type SAA3 10 A, 250 V, complying with AS C112-1964 Ap.	Australia
DS 0025.2365 DS 0099.1456	DIN 49 441, 10 A, 250 V, angular DIN 49 441, 10 A, 250 V, straight	Europe (except Switzerland)



**Overview of
Spare Parts
for CMU Basic Unit**

List of CMU Spare Parts

The CMU is constructed in accordance with R&S design 2000.

Overall dimension: W x H x L, 465 mm x 193 mm x 517 mm

Rackmount: 4E 1/1 T450

Note: *The parts which are fitted with a Current No. can be ordered as spare parts.*

Current No.	Designation	Stock No.	Electr.No.
10	Instrument frame	1090.9080.00	
80	Instrument fan	1091.1001.00	
90	Instrument fan cover	1091.0840.00	
150	Cover	1100.0872.00	
170	Cage	1091.0111.00	
180	Part of the mounting plate	1091.0028.00	
190	Partition	1091.0128.00	
200	Locking bracket	1091.0405.00	
210	Loudspeaker	1100.0837.00	E 1
220	Loudspeaker support	1091.0640.00	
220	Cover hood large	0009.9200.00	
230	Cover hood small	0143.4180.00	
240	Cover hood medium	0528.8500.00	
250	Sub D cover (9-pins)	1050.9243.00	
260	Labeling panel	1100.0143.00	
270	FRONT MODULE MODEL 04=COLOR DISPLAY 48 MB / FMR4	1090.9244.04	A 1
275	FRONT MODULE MODEL 12=COLOR DISPLAY 64 MB / FMR5	1090.9244.12	A 1

Module and Cable Exchange***CMU***

Current No.	Designation	Stock No.	Electr.No.
280	Keyboard frame	1091.1153.00	
290	Keyboard mat	1100.0166.00	
300	Keyboard membrane	1100.2008.00	A 15
310	Mounting plate	1090.9680.00	
320	Shielded filter plate	1091.2014.00	
330	RF Spring long	1069.3011.00	
340	RF Spring short	1069.3105.00	
350	Plate support	0852.0844.00	
360	LCD VAR 04	0048.4435.00	A 14
365	LCD VAR 12	0048.6980.00	A 14
370	Display connector VAR 04	1091.0286.00	W 17
375	Display connector VAR 12	1091.0911.00	W 17
380	Spinwheel VAR 04	0852.1140.00	B 12
385	Spinwheel VAR 12	0852.1134.00	B 12
390	Rotary knob	0852.1086.00	
400	Shielding VAR 04	1090.9838.00	
405	Shielding VAR 12	1091.1030.00	
410	DC/AC converter VAR 04	0048.3568.00	T 3
415	DC/AC converter VAR 12	0048.6996.00	T 3
420	Converter connector VAR 04	1091.2214.00	W 13
425	Converter connector VAR 12	1091.0928.00	W 13
430	Hood VAR 04	1090.9844.00	

Current No.	Designation	Stock No.	Electr.No.
435	Hood VAR 12	1091.1024.00	
440	Panel	1090.9650.00	
450	FRONT MODULE CONTROLLER VAR 04	1091.2108.00	A 4
455	FRONT MODULE CONTROLLER VAR 12	1091.2489.00	A 4
460	Lithium battery	0565.1687.00	
470	Memory MODULES 16 MB (SIMM -72) VAR 04	0010.9369.00	
475	Memory MODULES 32 MB (SODIMM -144) VAR 12	0048.5654.00	
480	Memory MODULES 32 MB (SIMM -72) VAR 04	0048.5025.00	
485	Memory MODULES 64 MB (SODIMM -144) VAR 12	4054.9518.00	
490	Hard disk program.VAR 04	1090.9250.00	D 11
495	Hard disk program.VAR 12	1100.0989.00	D 11
510	Fan VAR 04	1090.9867.00	E 10
515	Fan VAR 12	1091.0292.00	E 10
520	RF FRONTEND	1100.3042.02	A 20
530	Fan	1100.3088.00	
540	REFERENCE BOARD	1100.2600.02	A 10
550	RX/TX BOARD1	1100.1404.02 1100.1733.02 ¹	A 3
555	TR CORRECTION MODULE	1100.1604.02	A 301
560	Reserved		
565	Reserved		

¹ New RXTX BOARD1 1100.1733.02 replaces old RXTX BOARD1 1100.1404.02. 1100.1703.02 cannot be replaced by 1100.1404.02.

Module and Cable Exchange

CMU

Current No.	Designation	Stock No.	Electr.No.
570	DIGITAL BOARD	1100.1791.02	A 7
575	DIGITAL BOARD	1100.1804.02	A 700
580	DDC MODULE1	1100.2300.03	A 710
585	DDC MODULE2	1100.2300.03	A 730
590	AUC MODULE1	1100.2500.02	A 760
595	AUC MODULE2	1100.2500.02	A 780
600	TXDSP MODULE1	1100.2100.03	A 750
605	TXDSP MODULE2	1100.2100.03	A 770
610	ADC MODULE1	1100.2200.02	A 720
615	ADC MODULE2	1100.2200.02	A 740

620	MOTHERBOARD1	1100.1110.02 1100.0920.02 ² *	A 200
630	MOTHERBOARD2	1100.1127.02 1100.0937.02 ³ *	A 201
640	REAR PANEL BOARD1	1100.1140.02 1100.0950.02 ⁴ *	A 204
650	REAR PANEL BOARD2	1100.1191.02 1100.0966.02 ⁵ *	A 202
660	FRONT PANEL BOARD	1100.1204.02 1100.0943.02 ⁶ *	A 203

670	POWER SUPPLY	1091.2320.00	A 100
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CMU-B11 OCXO REFERENCE OSC.	1100.5000.02	
690	OCXO REFERENCE OSC.	1100.2900.02

CMU-B12 OCXO REFERENCE OSC.	1100.5100.02	
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² New MOTHERBOARD1 1100.0920.02 replaces old MOTHERBOARD1 1100.1110.02. 1100.0920.02 cannot be replaced by 1100.1110.02.

³ New MOTHERBOARD2 1100.0937.02 replaces old MOTHERBOARD2 1100.1127.02. 1100.0937.02 cannot be replaced by 1100.1127.02.

⁴ New REAR PANEL BOARD1 1100.0950.02 replaces old REAR PANEL BOARD1 1100.1140.02. 1100.0950.02 cannot be replaced by 1100.1140.02.

⁵ New REAR PANEL BOARD2 1100.0966.02 replaces old REAR PANEL BOARD2 1100.1191.02. 1100.0966.02 cannot be replaced by 1100.1191.02.

⁶ New FRONT PANEL BOARD 1100.0943.02 replaces old FRONT PANEL BOARD 1100.1204.02. 1100.0943.02 cannot be replaced by 1100.1204.02.

Current No.	Designation	Stock No.	Electr.No.
710	OCXO REFERENCE OSC.	1100.2900.03	

CMU-B21 UNIVERS.SIGN.UNIT		1100.5200.02	
730	UNIV. SIGN. UNIT	1100.5216.02 ⁷ 1100.5216.03 ⁸	A 8 / A 9
735	LINK HANDLER BOARD	1097.3570.02	A 400
740	DSP MODULE0	1097.3106.03 ⁹ 1097.3129.03 ⁹	A 440
741	DSP MODULE1	1097.3106.03 ⁹ 1097.3129.03 ⁹	A 450
742	DSP MODULE2	1097.3106.03 ⁹ 1097.3129.03 ⁹	A 460
750	I/Q OUT MODULE	1100.2000.02	A 430

CMU-B41 AUDIO-GEN. + ANA.		1100.5300.02	
755	AUDIO BOARD	1100.2800.02	A11
756	DSP MODULE	1097.3106.03 ⁹ 1097.3129.03 ⁹	A1101
757	RF cable	1100.3659.00	W 34 *
758	RF cable	1100.3665.00	W 40 *

CMU-B52 SPEECH CODEC		1100.5400.02	A 420
760	SPEECH CODEC	1100.2730.02	
765	DSP MODULE3	1097.3106.03 ⁹ 1097.3129.03 ⁹	A 470

CMU-U61 FLOPPY DISK DRIVE		1100.5500.02	
780	Floppy	1091.2072.00	
790	Support	1091.0228.00	
800	Frame	1091.0211.00	

⁷ 1100.5216.02 contains DSP MODULES 1097.3106.03 and I/Q OUT MODULE 1100.2000.02

⁸ 100.5216.03 contains DSP MODULES 1097.3129.03 and I/Q OUT MODULE 1100.2000.02

⁹ New DSP MODULE 1097.3129.03 replaces old DSP MODULE 1097.3106.03. 1097.3129.03 cannot be replaced by 1097.3106.03.

* If one of the new boards (620...660) is used, all other boards (620...660) must be replaced.

Module and Cable Exchange***CMU***

Current No.	Designation	Stock No.	Electr.No.
810	Flex strip connection	1091.2066.00	
830	PCMCIA INTERFACE	1100.5616.02	
840	Card slot	1047.2006.00	
850	RF cable	1100.3894.00	W 5*
860	RF cable	1100.3907.00	W 6*
870	RF cable	1100.3913.00	W 7*
880	RF cable	1100.3920.00	W 8*
910	RF cable	1100.3965.00	W 12*
920	RF cable	1100.3971.00	W 13*
930	RF cable	1100.3988.00	W 14*
940	RF cable	1100.4010.00	W 17*
950	RF cable	1100.4026.00	W 18*
960	RF cable	1100.4032.00	W 19*
970	RF cable	1100.4155.00	W 31*
980	RF cable	1100.4161.00	W 32*
990	RF cable	1100.4178.00	W 33*
1000	RF cable	1100.4190.00	W 35*
1010	RF cable	1100.4203.00	W 36*
1020	RF cable	1100.4210.00	W 37*
1030	Tube	1100.0743.00	

⁹ New DSP MODULE 1097.3129.03 replaces old DSP MODULE 1097.3106.03. 1097.3129.03 cannot be replaced by 1097.3106.03.
^{*} as shown in drawing 1100.0872 sheet 1.
^{**} as shown in drawing 1100.0872 sheet 1.

Current No.	Designation	Stock No.	Electr.No.
1040	Front grip	1096.1480.00	
1050	Screw	1096.4780.00	
1060	Rear panel foot	1096.2493.00	
1070	Instrument foot	1096.2506.00	
1080	Clamp	1096.2529.00	
1090	Tube hood	1096.2558.00	

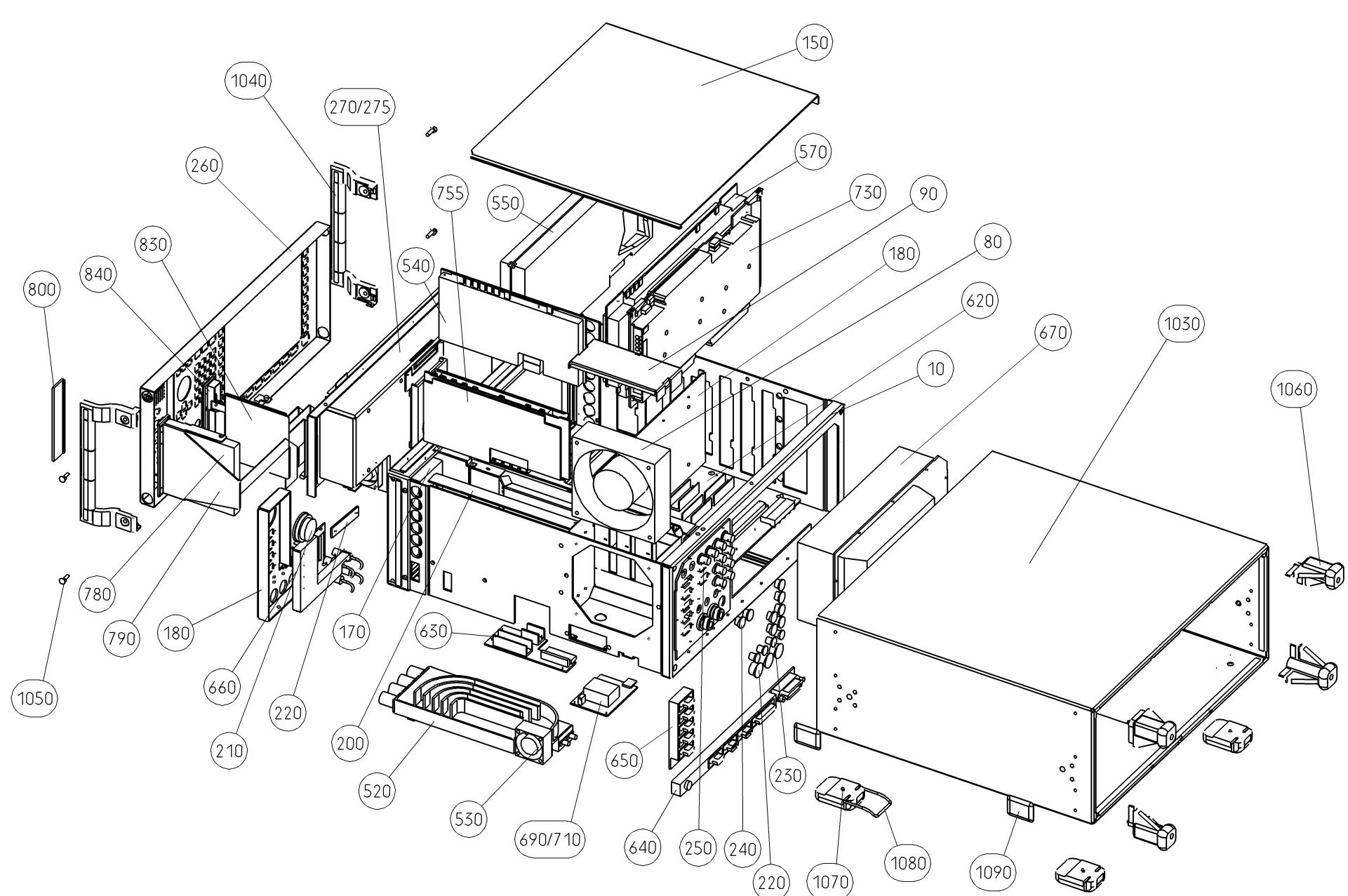


Drawings of all

CMU Spare Parts

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ISO-Projektion
Methode E



08.00			1CMK	Datum	Name	ROHDE & SCHWARZ	zu Gerät	Benennung	Zeichn.-Nr.	Blatt-Nr.
			Bearb.	17.11.99	Bl:					
Änd.	Änderungs-	Mitteilung	Datum	Name	Norm	Gepr.	Plot			

GG CMU200 UNIV.RADIOCOM.

1100.0008.01

D

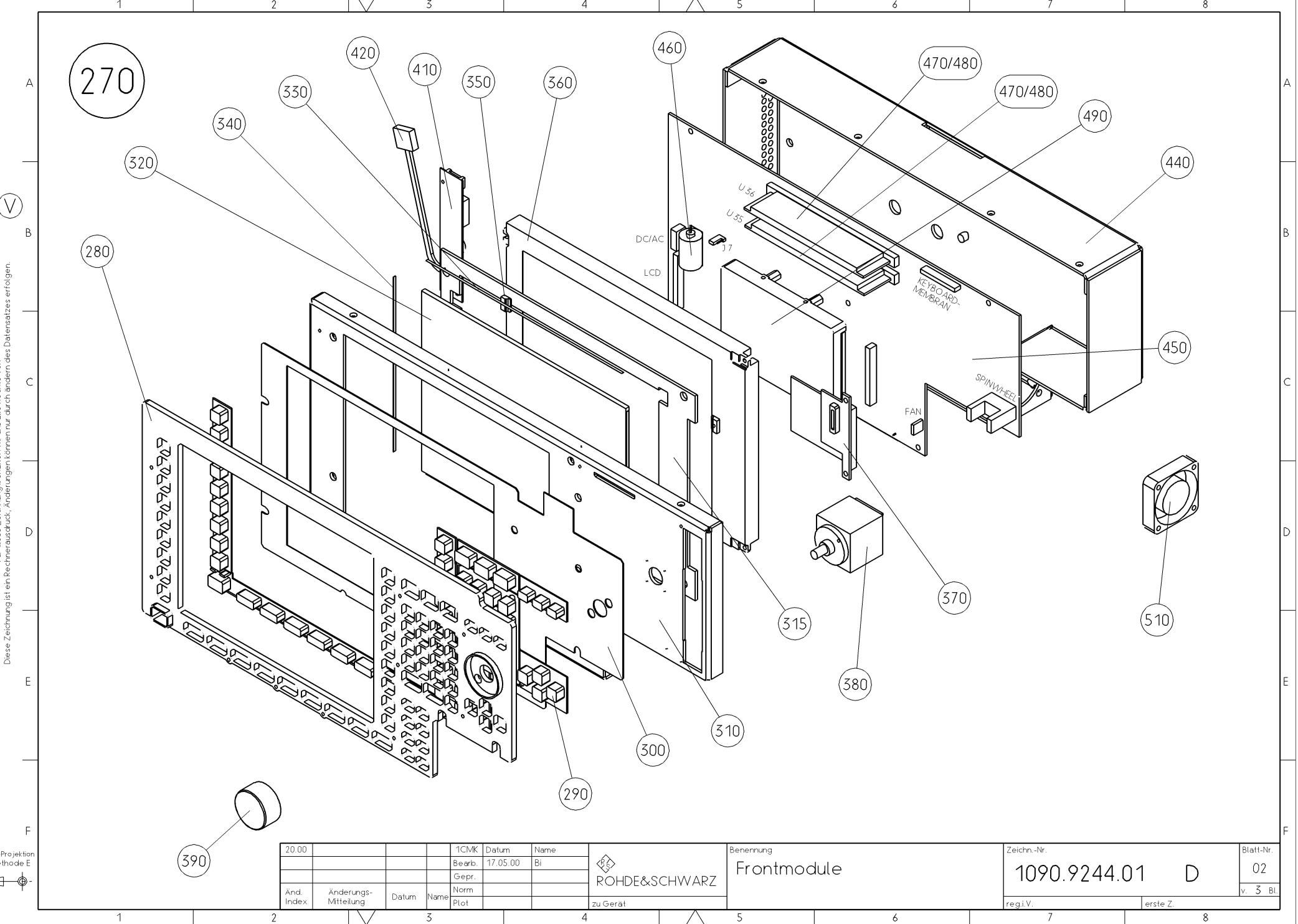
v. 3 Bl.

reg.i.V. erste Z.

8

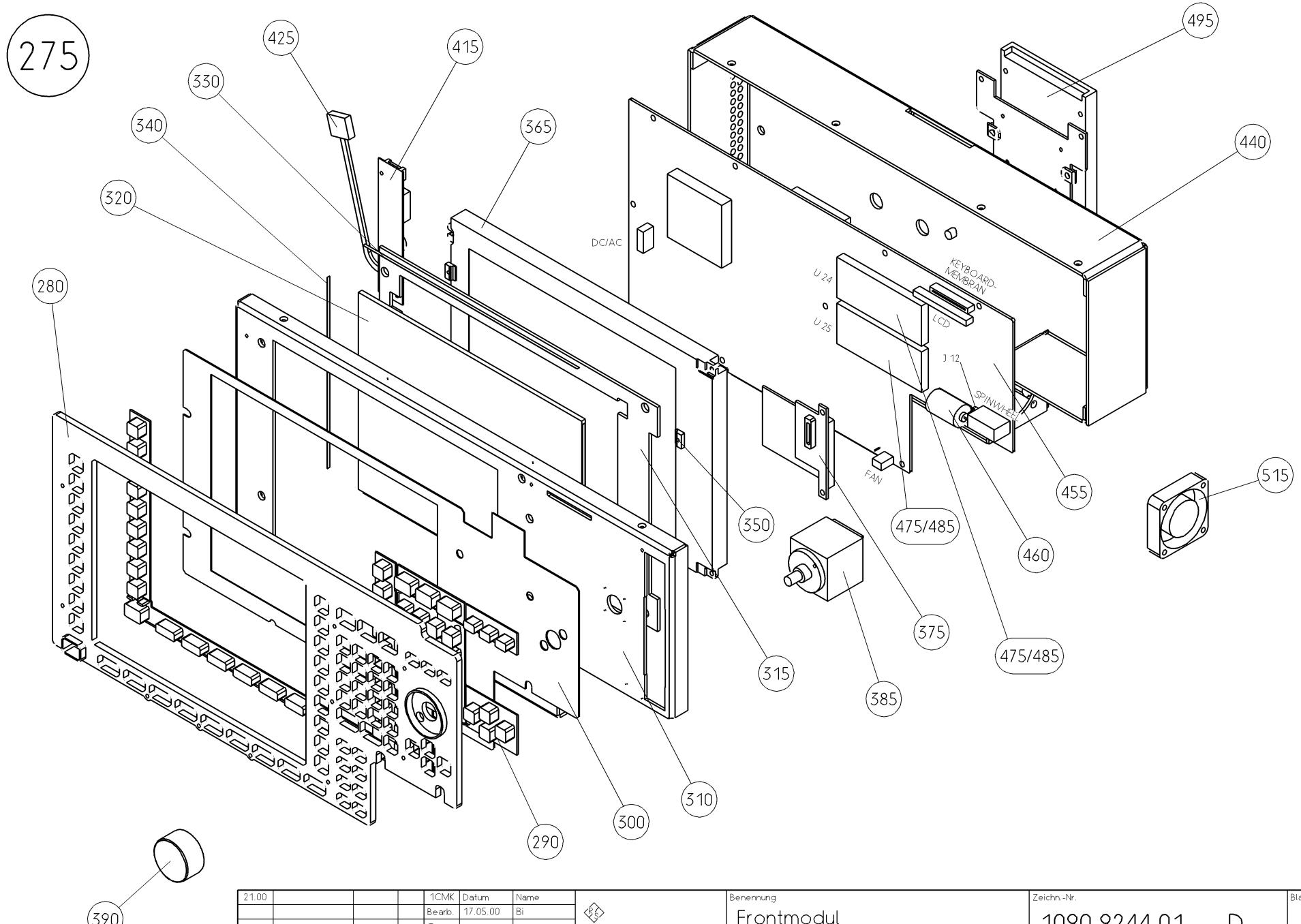
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ISO-Projektion
Methode E



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ISO-Projektion
Methode E



21.00			1CMK	Datum	Name
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			Gepr.		

ROHDE&SCHWARZ
zu Gerät

Benennung
Frontmodul

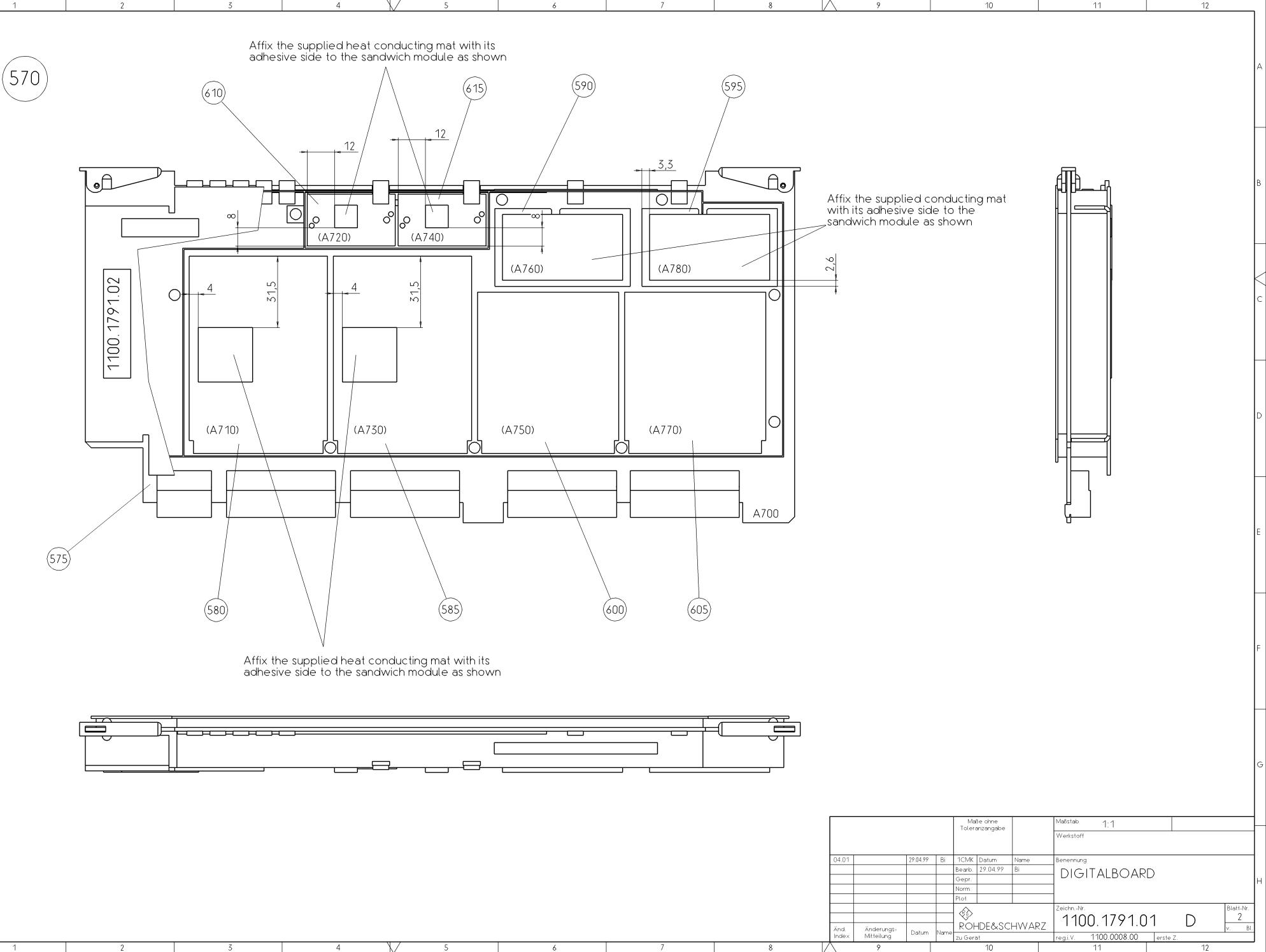
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1090.9244.01

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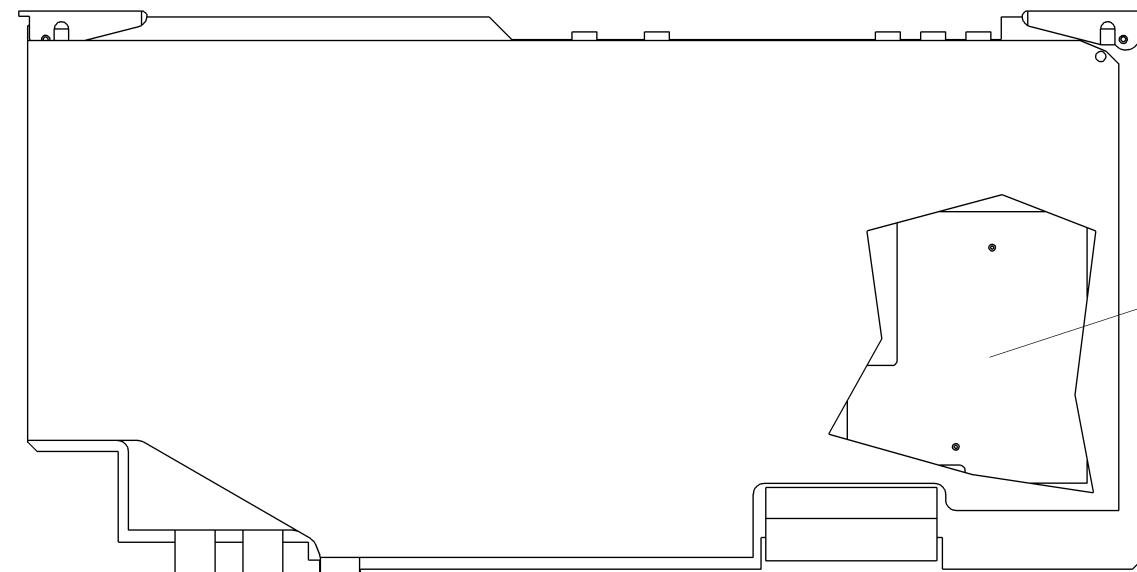
Blatt-Nr.
03
v. 3 Bl.

reg.i.V. erste Z.

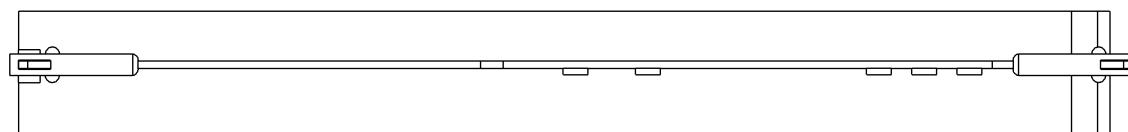
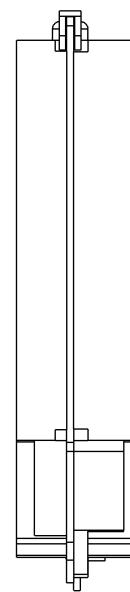
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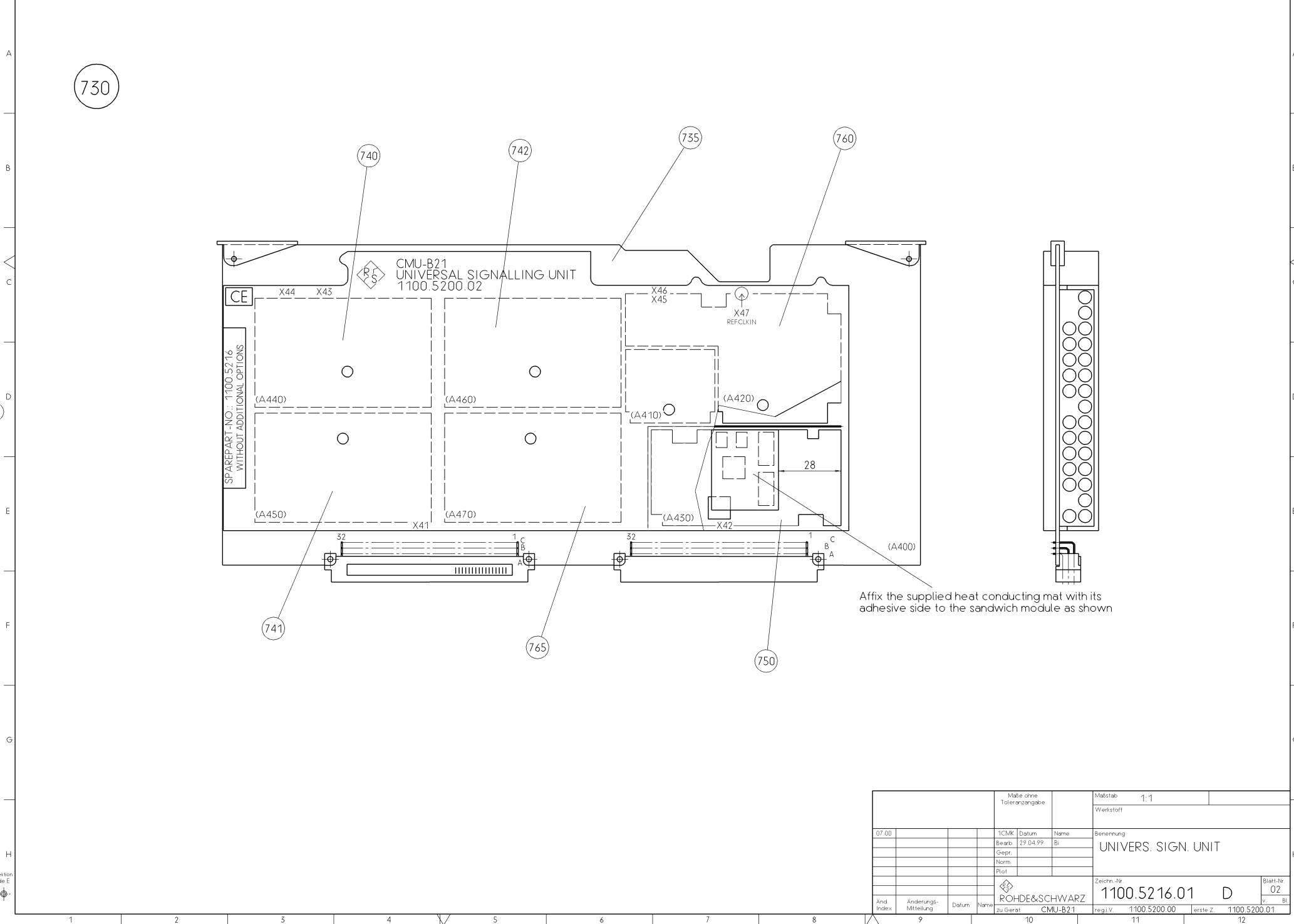


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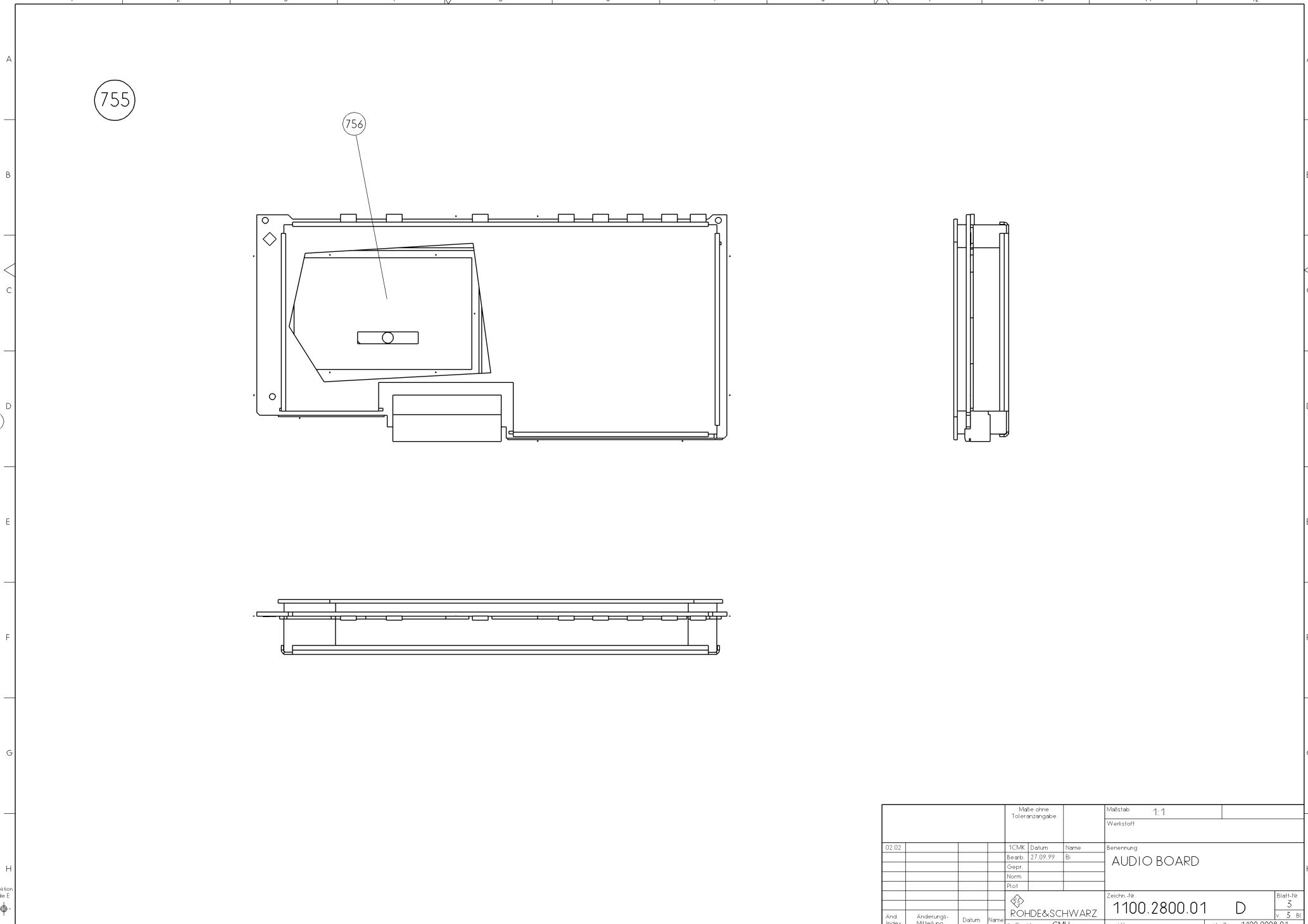
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Werkstoff			Benennung	
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	Bearb.	28.09.99	Bl	
	Gepr.			
	Norm.			
	Plot.			
And.	Änderungs-	Datum	Name	Zeichn.-Nr.
Index	Mitteilung			1100.1404.01
				D
				Blatt-Nr. 3 v. Bl
				reg.V. erste Z. 1100.0008.01

1 2 3 4 V 5 6 7 8 A 9 10 11 12



Maße ohne Toleranzangabe			Maßstab	1:1	
Werkstoff			Benennung		
07.00			1CMK	Datum	Name
			Bearb.	29.04.99	Bl.
			Gepr.		
			Norm.		
			Plot.		
And. Index	Aenderungs- Mitteilung	Datum	Name	Zeichn.-Nr	
				1100.5216.01 D	
				Blatt-Nr	02
				v.	Bl.
ROHDE & SCHWARZ zu Gerät CMU-B21			reg.V. 1100.5200.00 erste Z. 1100.5200.01		

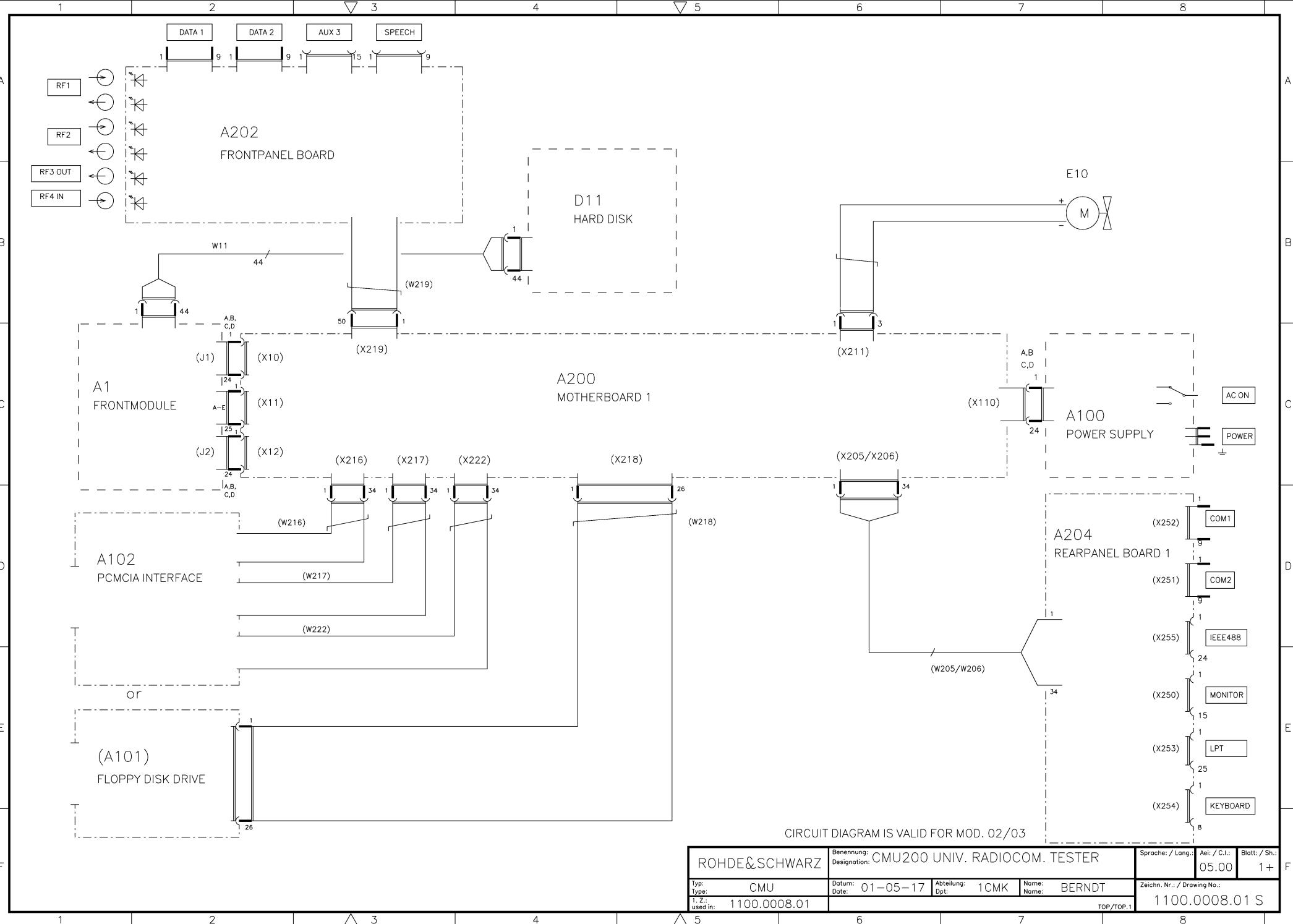
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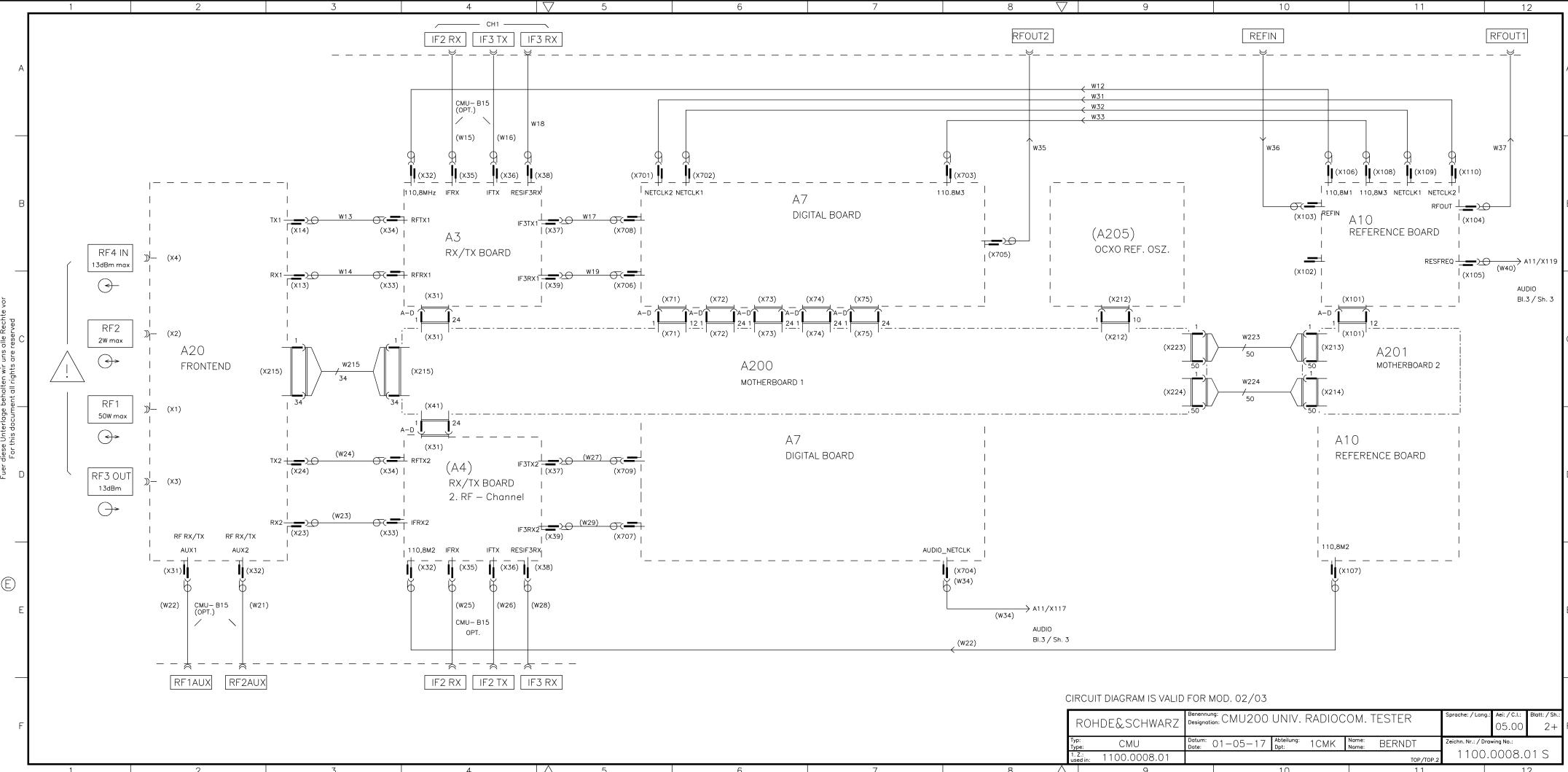
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			Werkstoff				
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			Gepr.				
			Norm.				
			Plot.				
And.	Änderungs-	Datum	Name	Zeichn.-Nr.	Blatt-Nr.		
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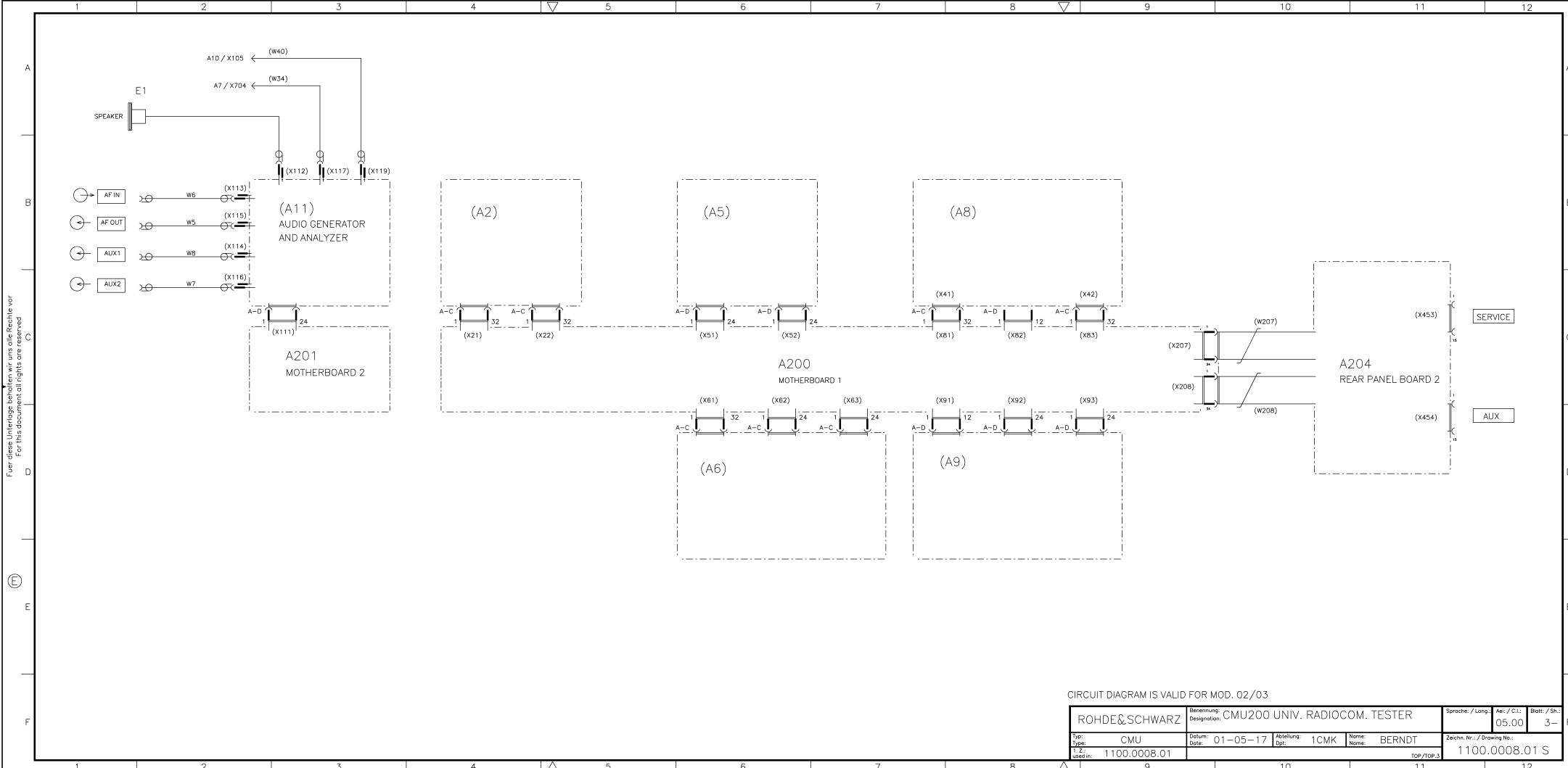


**Circuit Diagram
Part List
Adjustment Devices
for CMU Basic Unit**



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D

A

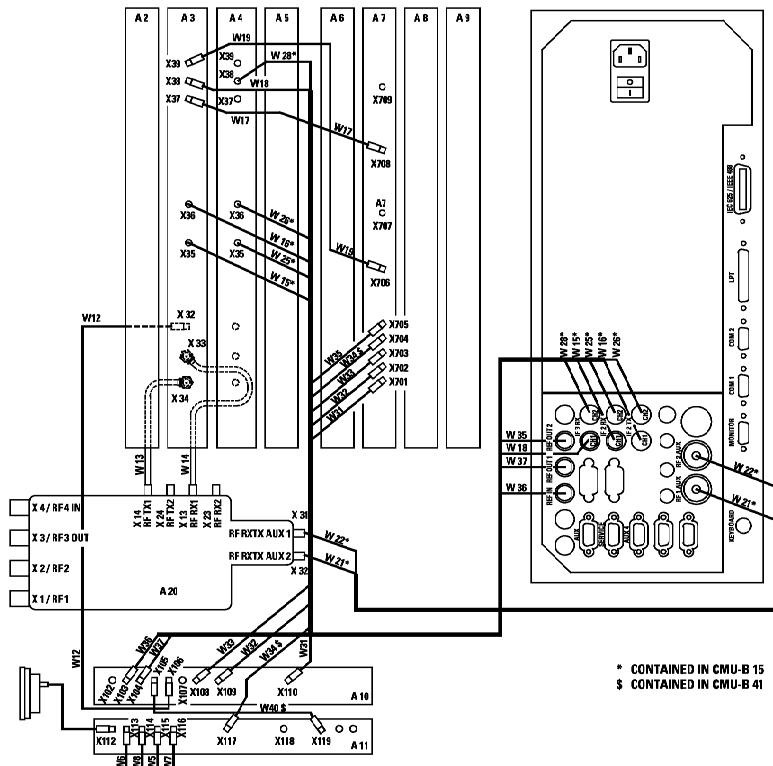
auf Lage achten !

1100.0872 DV-07- Deckel (bedr.) 1CMK/No. 11.98 08 ---- 12.00 Wb

Beschriftung: tiefschwarz WU 002.2823

hierzu Druckvorlage 1100.0872 DV -08-

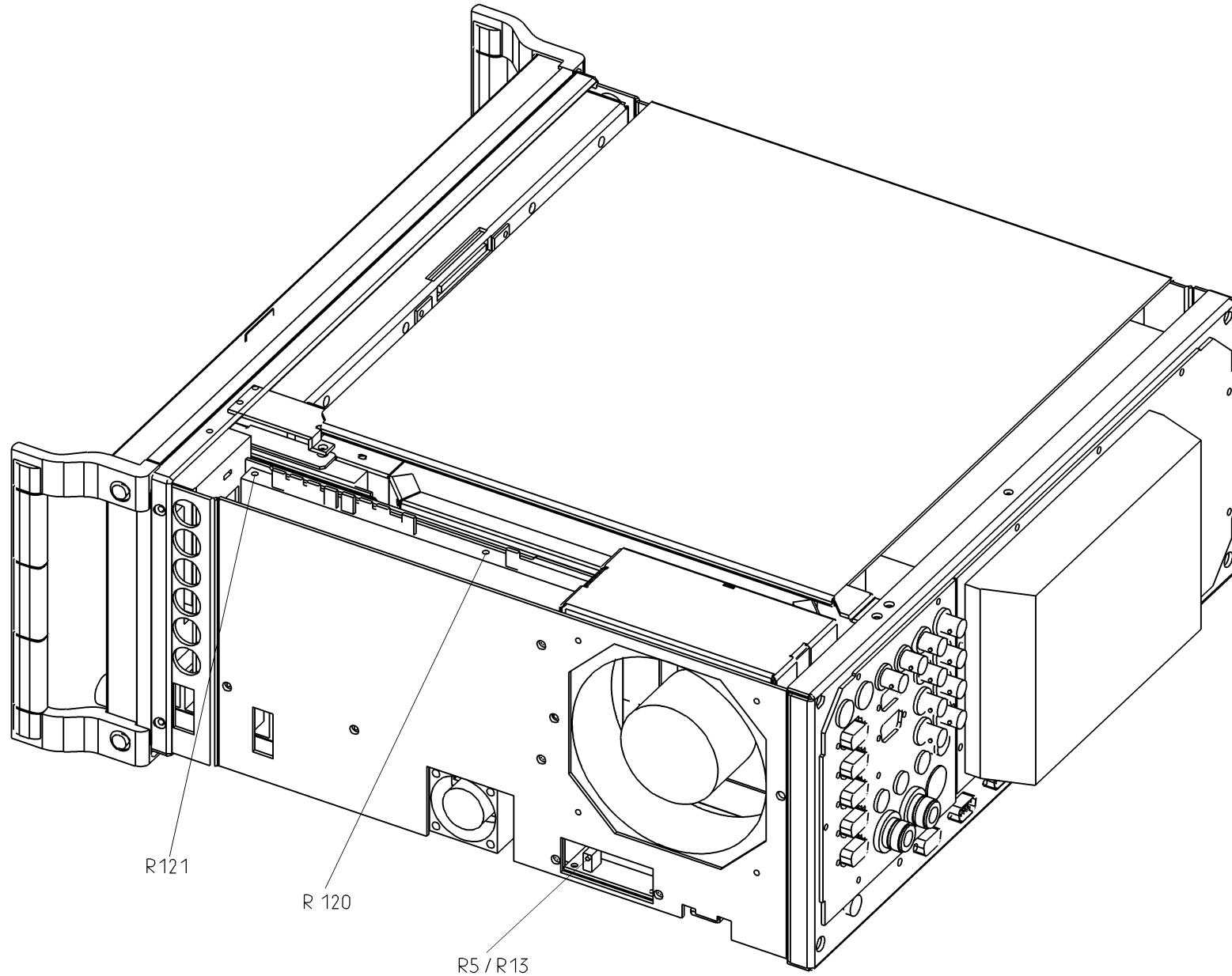
bearbeitet aus 1091.0657



* CONTAINED IN CMU-B 1
\$ CONTAINED IN CMU-B 4

				Maße ohne Toleranzangabe		Maßstab ohne Haltzeug/Werkstoff	
07	----	09.99	Bi	Datum	Name	Benennung	
08	----	12.00	Bi	Bearb.	11.98	Bi	Deckel (bedr.)
				Gepr.			
				Norm			
Änd. Index	Änderungs- Mitteilung	Datum	Name	 ROHDE & SCHWARZ zu Gerät CMU		Zeichn.-Nr. 1100.0872 reg. i. V. 1100.0008.00 V	Blatt-Nr. v. Bl. erste Z. 1100.0008.01

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06.00			1CMK	Datum	Name	
			Bearb.	03.05.99	Bl:	
			Gepr.			
Änd. Index	Änderungs- Mitteilung	Datum	Name	Norm	Plot	



Benennung
GG CMU200 UNIV.RADIOCOM.

Zeichn.-Nr.
1100.0008.01

D

Blatt-Nr.
3
v. Bl.

reg.i.V. erste Z.

1	2	3	4	5	6	7	8	9	10	11	12
A	SHEET 2	SHEET 3	SHEET 4	SHEET 5	SHEET 6	SHEET 7+8	SHEET 9	A			
B	X10 X11 X12 } FRONT MODULE CONTROLLER	X21 X22 } E1-T1/ DUT-SUPPLY BOARD	X31 RX/TX BOARD 1 X41 RX/TX BOARD 2	X51 X52 } A/B TEST / IO-MODDEMOM /LOW FREQ BOARD	X61 X62 X63 } UNIVERSAL SIGN. UNIT 2	X71 X72 X73 X74 X75 } DIGITAL BOARD	X81 X82 X83 } UNIVERSAL SIGN. UNIT 1	B			
C	SHEET 10	SHEET 11	SHEET 12	SHEET 13	SHEET 14	SHEET 15	SHEET 16	C			
D	X91 X92 } USU1 CO-PROCESSOR	X93 USU1 CO-PROCESSOR ISA- TERMINATION	X216 X217 } PC CARD X222 } BUFFERS	X219 FRONT PANEL BOARD X212 OCXO BOARD X218 FLOPPY X215 FRONTEND BOARD	X205 X206 } REAR PANEL BOARD 1 X207 X208 } REAR PANEL BOARD 2	X200 ABISSYM 1/2 X209 X210 } FAN X211 X220 X225 } X201 } ABISASYM2 X202 } X203 } ABISASYM1 X204 } X110 POWER SUPPLY	X223 X224 } MOTHERBOARD 1 1/2 CONNECTOR X213 X214 } MOTHERBOARD 2 1/2 CONNECTOR X221 +5VREF	D			
E	MOTHERBOARD 2 X101 REFERENZ BOARD X111 AUDIO BOARD	REAR PANEL BOARD 1 X253 LPT X255 IEC 625 / IEEE 488 X250 MONITOR X252 COM 1 X251 COM 2 X254 KEYBOARD	FRONT PANEL BOARD X303 AUX 3 X304 SPEECH X301 DATA 1 X302 DATA 2	REAR PANEL BOARD 2 X451 SERVICE X450 AUX X452 AUX 4 X453 I/Q 1 X454 I/Q 2				E			
F								F			

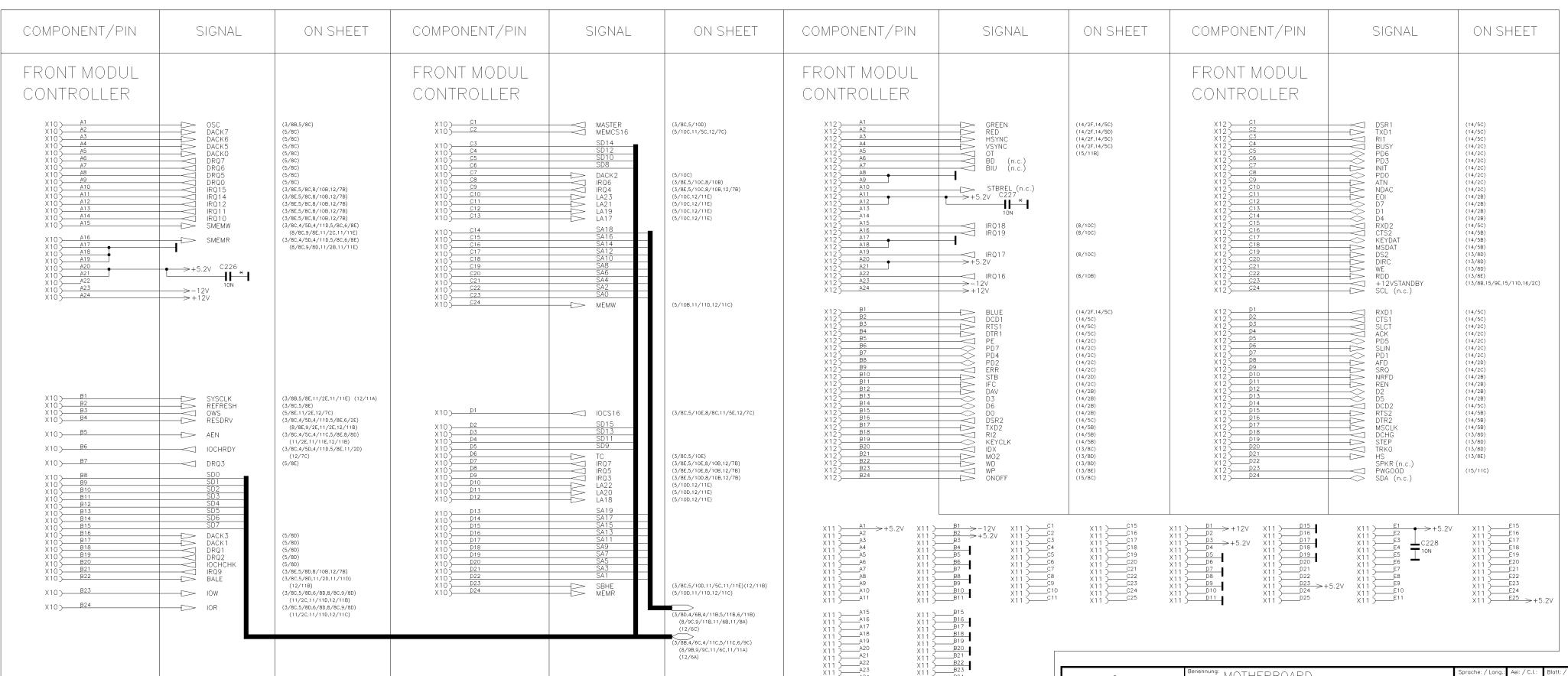
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Bindende Angaben über Varianten,
Trimmwerte, Bauteile und
nicht bestückte Bauteile siehe SA.
FOR BINDING INFORMATION ON MODELS,
TRIMMING AND COMPONENTS SEE PARTS LIST

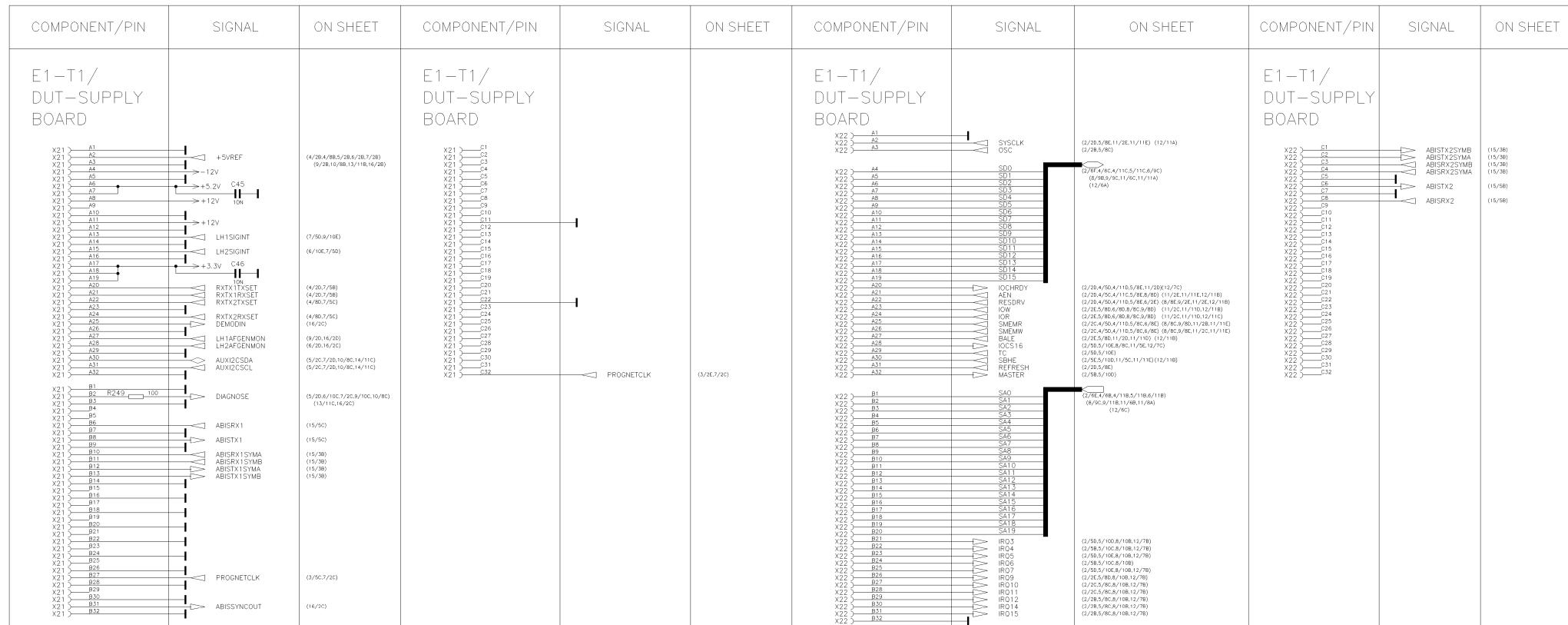
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Type: Type: 12 used in: 12 used in:	CMU Date: 00-02-16 1100.0908.01	Abteilung Opt.: 1CMK Name: KRAETSCH TOP/TOP 1	Zeilchen-Nr. / Drawing No. 1100.0908.01 S		

CONNECTOR DEFINITIONS MB1



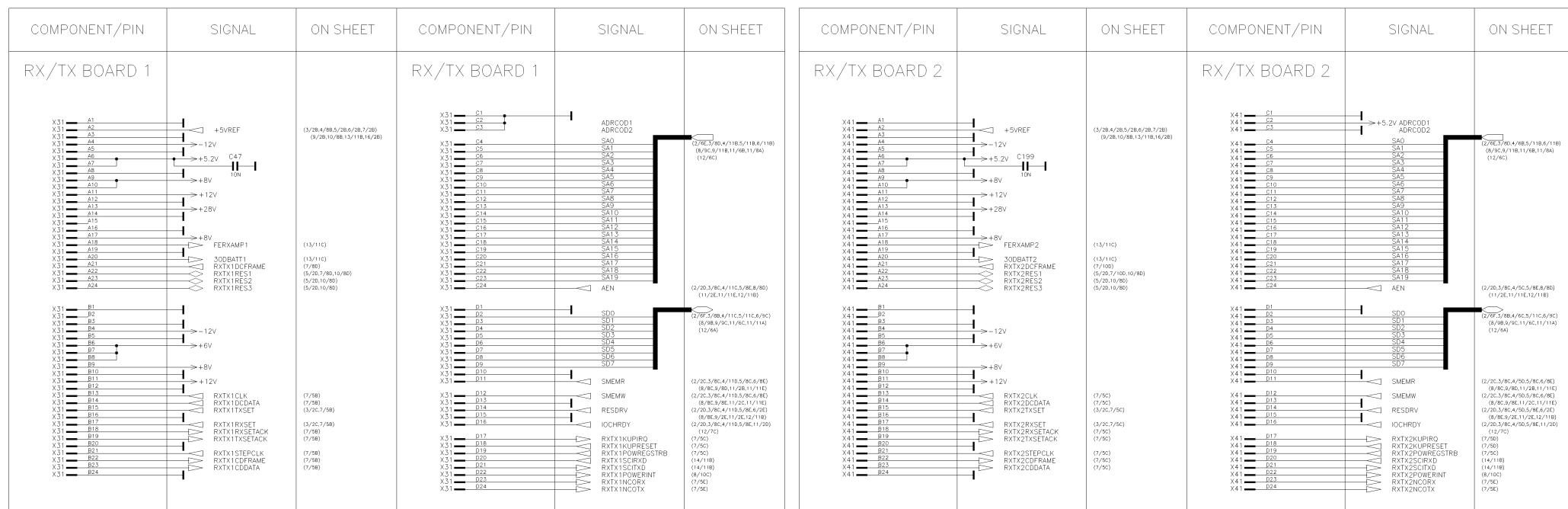
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		Datum / Date:	00-02-16	Abteilung / Dept:	1CMK	Name: Name:	KRAETSCH	Zeichn. Nr.: / Drawing No.:
Type:	CMU							1100.0908.01 S
1.4.2	1100.0908.01							

CONNECTOR DEFINITIONS MB1



ROHDE & SCHWARZ		Bemerkung / Description: MOTHERBOARD	Sprache / Lang:	Aut. / C.I.:	Brett / Sh.:
Type:	Code:	Date:	Abteilung Opt.:	Name:	Zeichn. Nr. / Drawing No.:
CMU	1100.0008.01	00-02-16	1CMK	KRAETSCH	1100.0908.01 S

CONNECTOR DEFINITIONS MB1

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ROHDE & SCHWARZ	Bemerkung / Description: MOTHERBOARD	Sprache / Lang:
Type: CMU	Datum: 00-02-16	Abteilung: Opt.
12 used in: 1100.0008.01	Name: KRAETSCH	Name: KRAETSCH

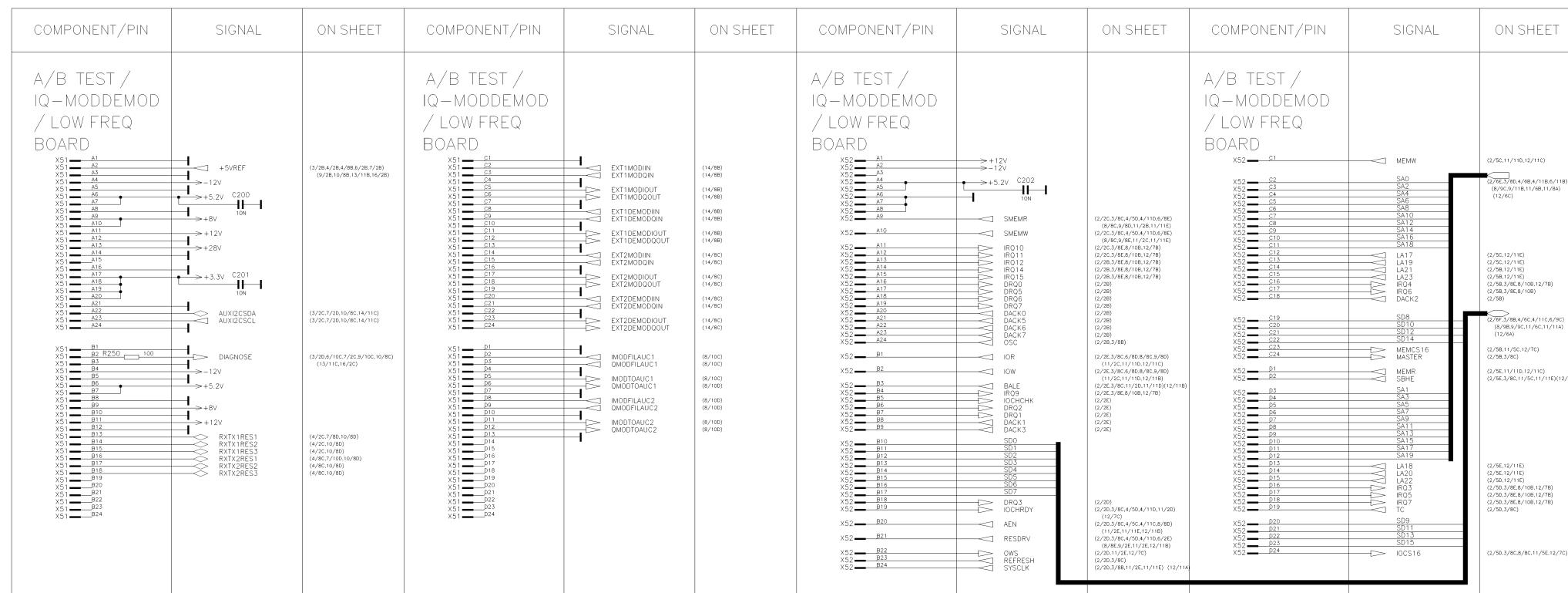
DE 02.01 4+
Zeichn. Nr. / Drawing No.
1100.0908.01 S

TOP/TOP 4

CONNECTOR DEFINITIONS MB1

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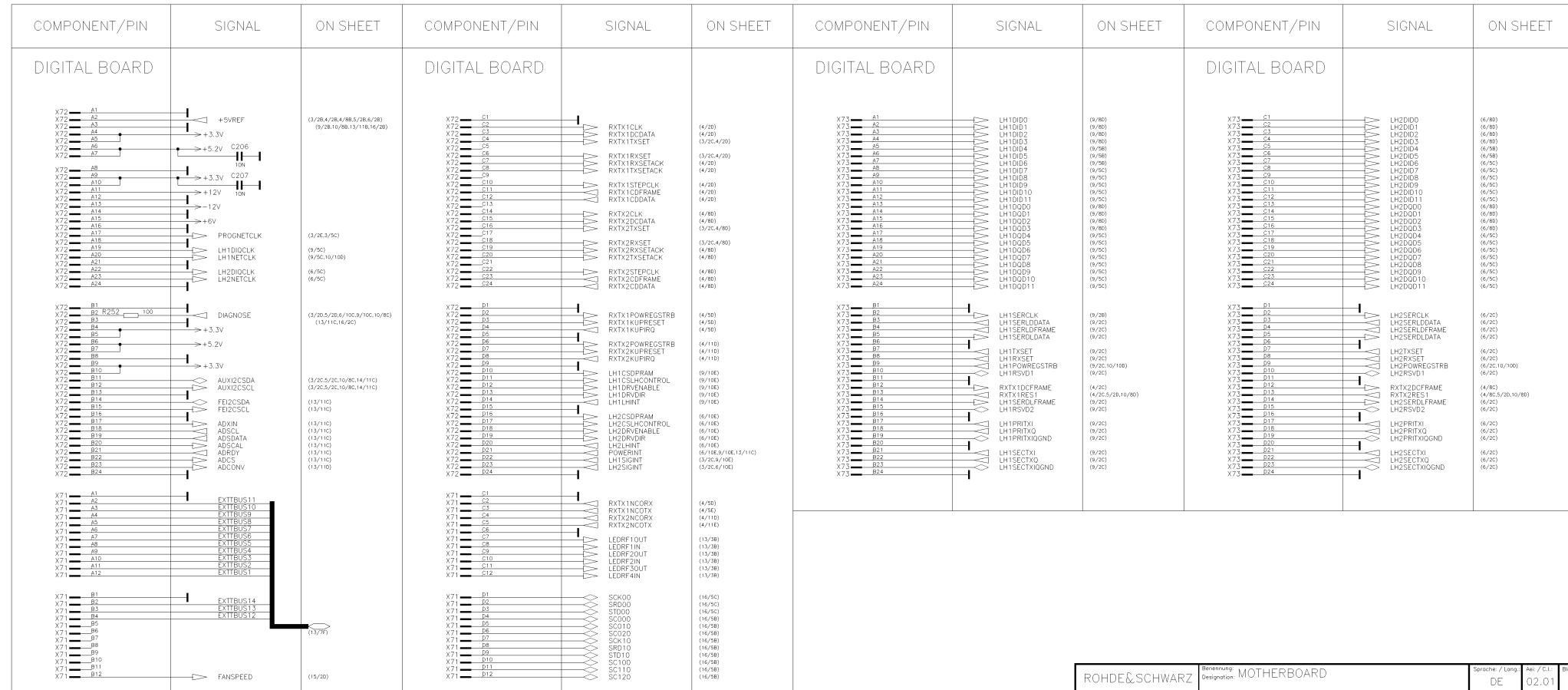
ROHDE & SCHWARZ	Bemerkung: MOTHERBOARD Designation: MOTHERBOARD	Sprache / Lang: DE	Amt. / Cl.: 02.01	Bleit. / Sh. 5+
Type: Type: 12 used in:	CMU (1/1) 1100.0008.01	Date: Datum: (1/1) 00-02-16	Abteilung: Opt.:	1CMK Name: KRAETSCH Zeichn. Nr. / Drawing No: 1100.0908.01 S

CONNECTOR DEFINITIONS MB1



ROHDE&SCHWARZ Bezeichnung: MOTHERBOARD
Typ: CMU Designation: MOTHERBOARD
Datum: 00-02-16 Abteilung: 1CMK Name: KRAETSCH
Type: CMU Date: 00-02-16 Dept.: 1CMK Name: KRAETSCH
used in: 1100.0008.01 Top/Top 6+
Sprache / Lang: DE Zeitnr. / Drawing No.: 1100.0908.01 S

CONNECTOR DEFINITIONS MB1

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ROHDE & SCHWARZ Bezeichnung: MOTHERBOARD

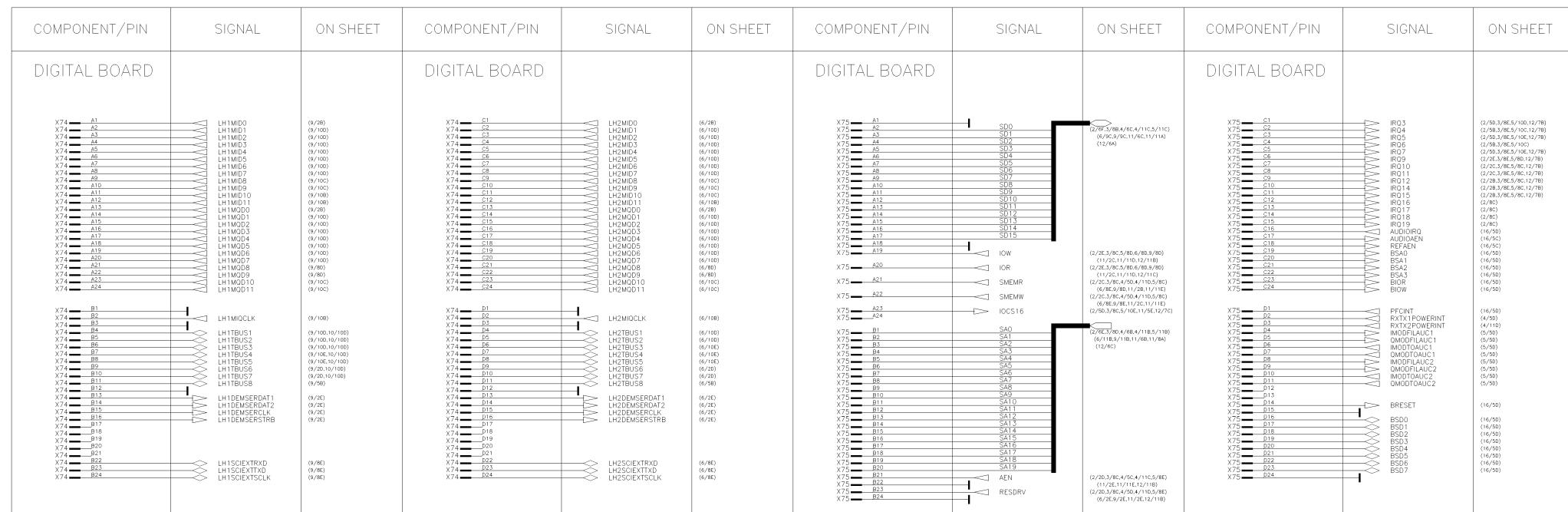
Typ: CMU Datum: 00-02-16 Opt.: 1CMK Name: KRAETSCH

Type: 1100.0908.01 Zeichn. Nr. / Drawing No.: 1100.0908.01 S

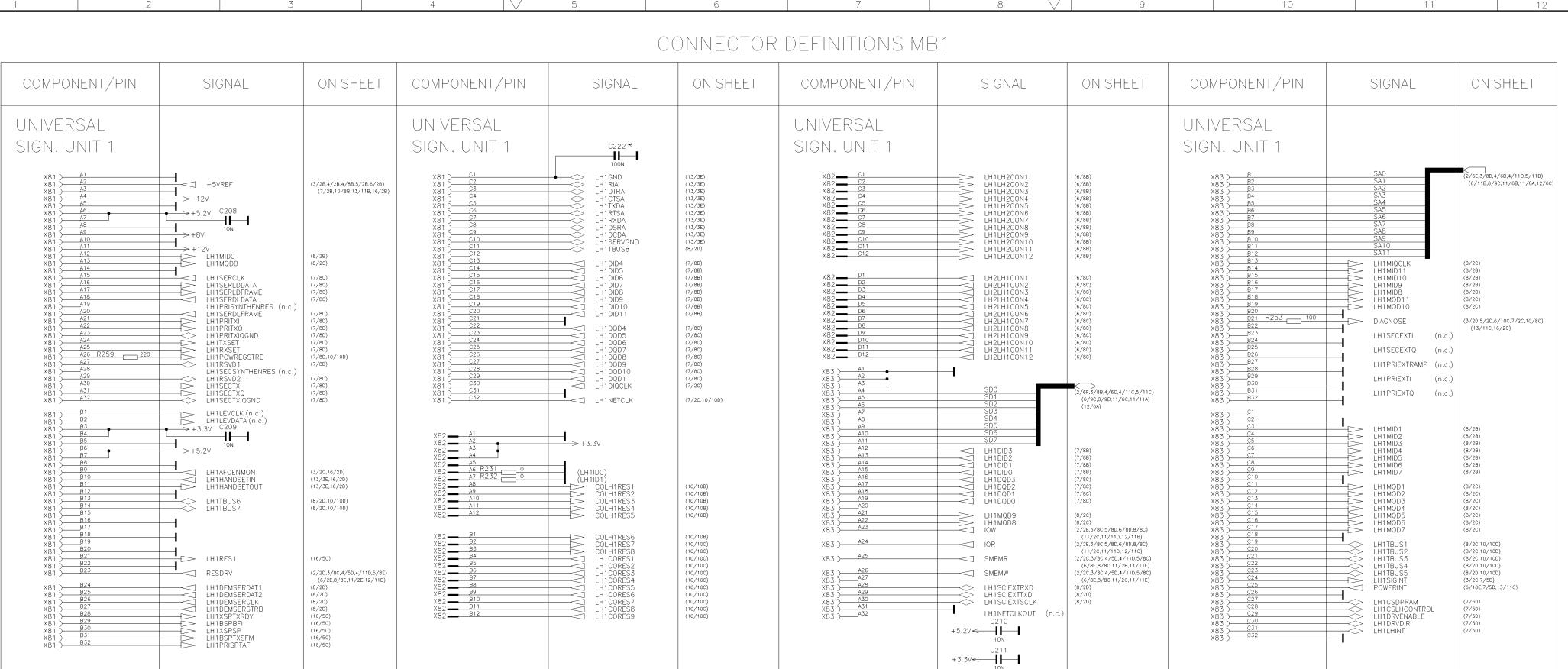
Sprache / Lang.: DE Zeitach. Nr. / Drawing No.: TOP/TOP 7

Amt / C.I.: 02.01 Blatt / Sh.: 7+

CONNECTOR DEFINITIONS MB1

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ROHDE & SCHWARZ	Bemerkung / Designation: MOTHERBOARD	Sprache / Lang:	DE	Amt. / C.I.:	02.01
Type: CMU	Date: 00-02-16	Abteilung Opt.:	1CMK	Name: KRAETSCH	Zeilnr. / Drawing No: 1100.0908.01 S
12 used in: 1100.0008.01	TOP/TOP 8				



CONNECTOR DEFINITIONS MB1

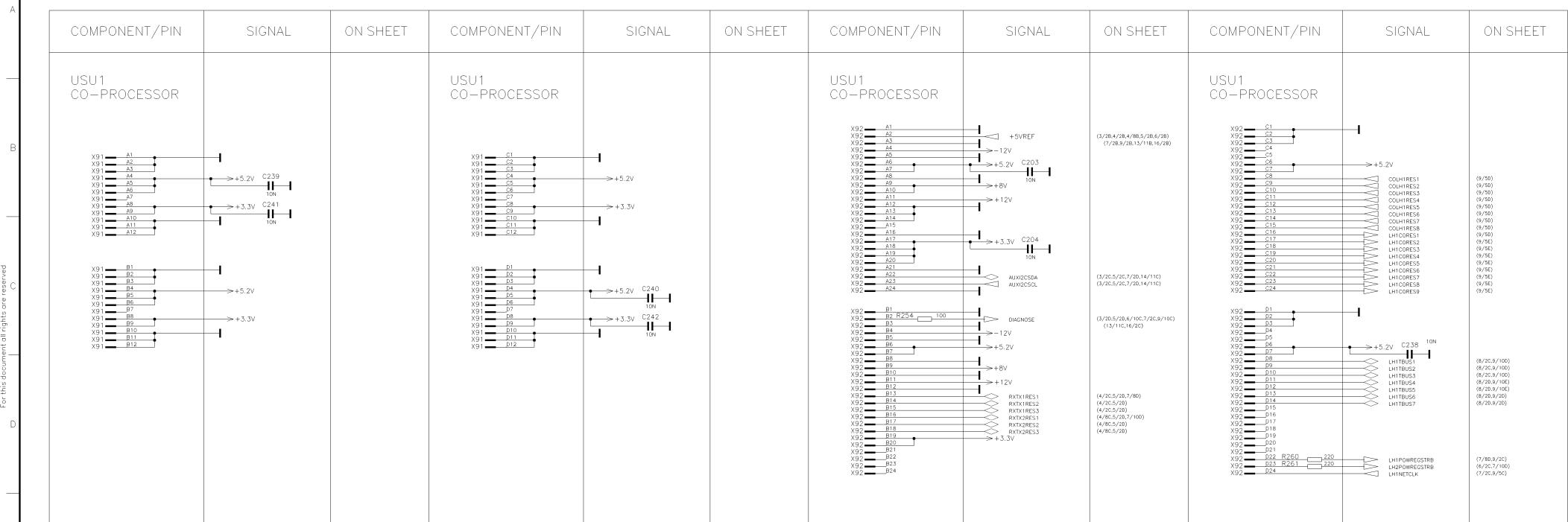
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E

10

ROHDE & SCHWARZ	Benennung: MOTHERBOARD	Sprache / Lang: DE	Amt / C.I.: 02.01	Blatt / Sh. 9+					
Type: Type:	CMU	Datum: Date:	00-02-16	Abteilung: Dept:	1CMK	Name: Name:	KRAETSCH	Zeich.Nr.: Drawing No.:	1100-0908.01 S

CONNECTOR DEFINITIONS MB1



ROHDE & SCHWARZ	Bemerkung / Designation: MOTHERBOARD	Sprache / Lang:
Type: CMU	Datum: 00-02-16	Abteilung: Opt.: 1CMK
12 used in: 1100.00908.01	Name: KRAETSCH	Name: DE 02.01 10+

F

Zeichn. Nr. / Drawing No. TOP/TOF 10 1100.00908.01 S

CONNECTOR DEFINITIONS MB1

COMPONENT/PIN	SIGNAL	ON SHEET	COMPONENT/PIN	SIGNAL	ON SHEET
USU1 CO-PROCESSOR					
X93-A1	+12V		X93-C2	SAO	(2/6E,5/9C,4/6B,4/11B,5/11B) (6/11B,8/9C,8/11B,11/9A,12/AC)
X93-A2	-12V		X93-C3	SA1	
X93-A3	+5.2V	C205	X93-C4	SA2	
X93-A4		10n	X93-C5	SA3	
X93-A5			X93-C6	SA4	
X93-A6			X93-C7	SA5	
X93-A7			X93-C8	SA6	
X93-A8			X93-C9	SA7	
X93-A9			X93-C10	SA8	
X93-A10	SMEMR		X93-C11	SA9	
X93-A11			X93-C12	SA10	
X93-A12			X93-C13	SA11	
X93-A13			X93-C14	SA12	
X93-A14			X93-C15	SA13	
X93-A15			X93-C16	SA14	
X93-A16			X93-C17	SA15	
X93-A17			X93-C18	SA16	
X93-A18			X93-C19	SA17	
X93-A19			X93-C20	SA18	
X93-B1	IOR		X93-D1		
X93-B2	IOW		X93-D2		
X93-B3	BALE		X93-D3	SBHE	
X93-B4			X93-D4	SA1	
X93-B5			X93-D5	SA2	
X93-B6			X93-D6	SA3	
X93-B7			X93-D7	SA4	
X93-B8			X93-D8	SA5	
X93-B9			X93-D9	SA6	
X93-B10	SD0		X93-D10	SA7	
X93-B11	SD1		X93-D11	SA8	
X93-B12	SD2		X93-D12	SA9	
X93-B13	SD3		X93-D13	SA10	
X93-B14	SD4		X93-D14	SA11	
X93-B15	SD5		X93-D15	SA12	
X93-B16	SD6		X93-D16	SA13	
X93-B17	SD7		X93-D17	SA14	
X93-B18	SD8		X93-D18	SA15	
X93-B19	SD9		X93-D19	SA16	
X93-B20	IOCHRDY		X93-D20	SA17	
X93-B21	AEN		X93-D21	SA18	
X93-B22	RESDRV		X93-D22	SA19	
X93-B23	OWS		X93-D23		
X93-B24	SYSCLK		X93-D24	MEMCS16	(2/5E,5/9C,5/10,11/1D)(12/1B)
(2/2D,3/9C,4/5D,4/11D,5/8C) (2/2D,3/9C,5/5E,4/11C,5/8C) (8/8D,1/11E,12/1B) (2/2D,3/9C,4/5D,4/10,5/8C) (8/8D,1/11E,12/1B) (2/2D,3/9C,4/5D,4/11D,5/8C) (2/2D,3/9C,5/5E,4/11C,5/8C)					
(2/2D,3/9C,5/10E,8/8C,12/1A) (2/2D,3/9C,5/10E,8/8C,12/1C)					

ISA-TERMINATION

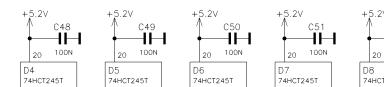
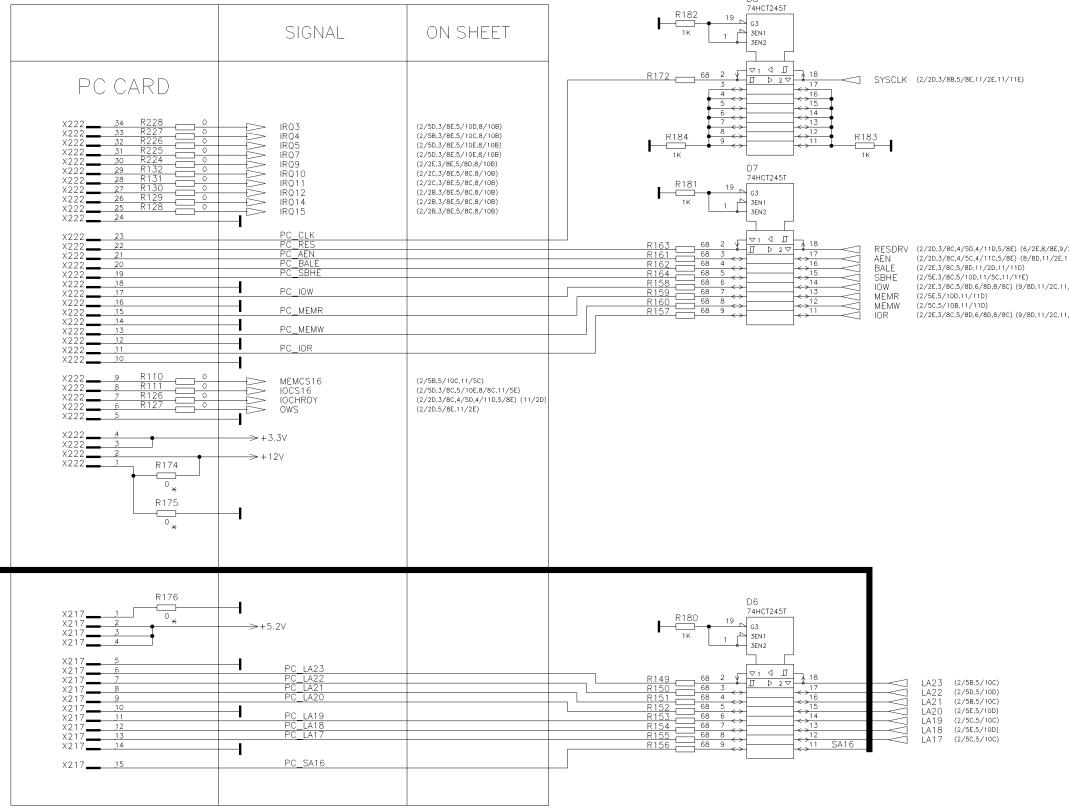


ROHDE & SCHWARZ	Bemerkung / Designation	MOTHERBOARD	Sprache / Lang	Aus / C.I.	Brett / Sh.
Type: CMU	Datum: 00-02-16	Abteilung: 1CMK	Name: KRAETSCH	DE 02.01	11+
12 used in: 1100.0008.01				Zeichn. Nr. / Drawing No.: 1100.0908.01 S	TOP/TOF.11

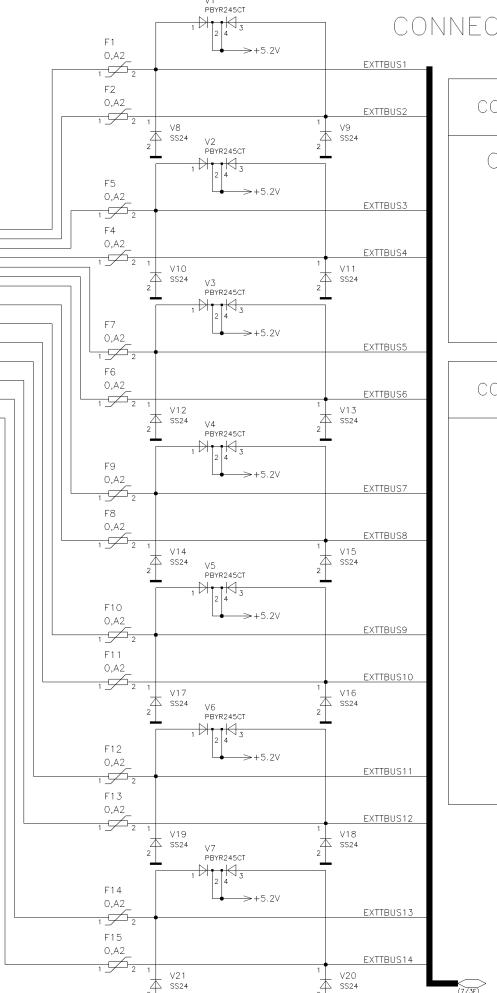
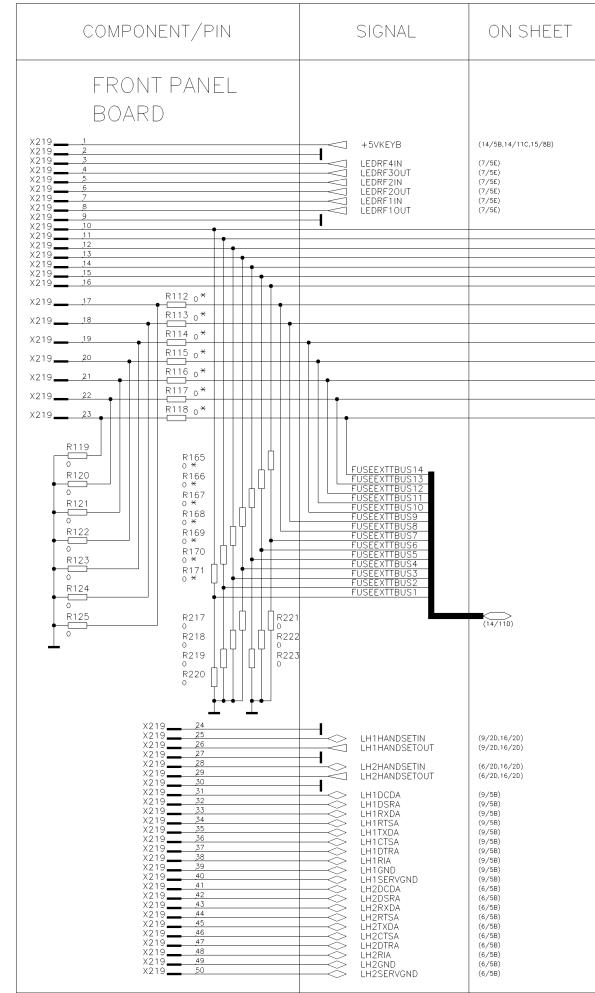
CONNECTOR DEFINITIONS MB1

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COMPONENT/PIN	SIGNAL	ON SHEET
PC CARD		
X216_34		
X216_33	PC_SD0	R191 27.4 SD0
X216_32		R190 27.4 SD1
X216_31	PC_SD1	R189 27.4 SD2
X216_30		R188 27.4 SD3
X216_29	PC_SD2	R187 27.4 SD4
X216_28		R186 27.4 SD5
X216_27	PC_SD3	R185 27.4 SD6
X216_26		R182 27.4 SD7
X216_25	PC_SD4	R200 27.4 SD8
X216_24		R199 27.4 SD9
X216_23	PC_SD5	R198 27.4 SD10
X216_22		R197 27.4 SD11
X216_21	PC_SD6	R196 27.4 SD12
X216_20		R195 27.4 SD13
X216_19	PC_SD7	R194 27.4 SD14
X216_18		R193 27.4 SD15
X216_17	PC_SD8	
X216_16		
X216_15	PC_SD9	
X216_14		
X216_13	PC_SD10	
X216_12		
X216_11	PC_SD11	
X216_10		
X216_9	PC_SD12	
X216_8		
X216_7	PC_SD13	
X216_6		
X216_5	PC_SD14	
X216_4		
X216_3	PC_SD15	
X216_2		
X216_1		
	R173	
	0 *	
X217_16		
X217_17	PC_SA15	R179 27.4 D5 74HC124ST
X217_18	PC_SA14	R141 1 19 68 2 18 SA15
X217_19	PC_SA13	R142 1 19 68 3 17 SA14
X217_20	PC_SA12	R143 1 19 68 4 16 SA13
X217_21	PC_SA11	R144 1 19 68 5 15 SA12
X217_22	PC_SA10	R145 1 19 68 6 14 SA11
X217_23	PC_SA9	R146 1 19 68 7 13 SA10
X217_24	PC_SA8	R147 1 19 68 8 12 SA9
X217_25		R148 1 19 68 9 11 SA8
X217_26		
X217_27	PC_SA7	
X217_28	PC_SA6	
X217_29	PC_SA5	
X217_30	PC_SA4	
X217_31	PC_SA3	
X217_32	PC_SA2	
X217_33	PC_SA1	
X217_34	PC_SA0	
X217_25		
X217_26		
X217_27		
X217_28		
X217_29		
X217_30		
X217_31		
X217_32		
X217_33		
X217_34		
	R178	D4 74HC124ST
	19	
	1	
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40	
	R133	18 2 17 SA7
	R134	17 3 16 SA6
	R135	16 4 15 SA5
	R136	15 5 14 SA4
	R137	14 6 13 SA3
	R138	13 7 12 SA2
	R139	12 8 11 SA1
	R140	11 9 10 SA0



ROHDE & SCHWARZ	Benennung: MOTHERBOARD Designation: MOTHERBOARD			Sprache / Lang.: DE	Abl. / Cl.: 02.01	Blatt / St.: 12+
Type: Typ:	CMU	Bestell- Bestell- Nummer: Date:	00-02-16	Abteilung: Dept:	1CMK	Name: Name:
1.6	1.100.0000.01				KRAETSCH	Zeichn. Nr. / Drawing No.: 1100.00908.01 S



CONNECTOR DEFINITIONS MB1

COMPONENT/PIN	SIGNAL	ON SHEET
OCXO BOARD		
X212 10 X212 9 X212 8 X212 7 X212 6 X212 5 X212 4 X212 3 X212 2 X212 1	OPTOCXO1 SOCKO +12VSTANDBY +5.2V RFOCXO OPTOCXO2	(16/20) (16/20) (2/10C,15/9C,15/10,16/2C) (16/20) (16/20)

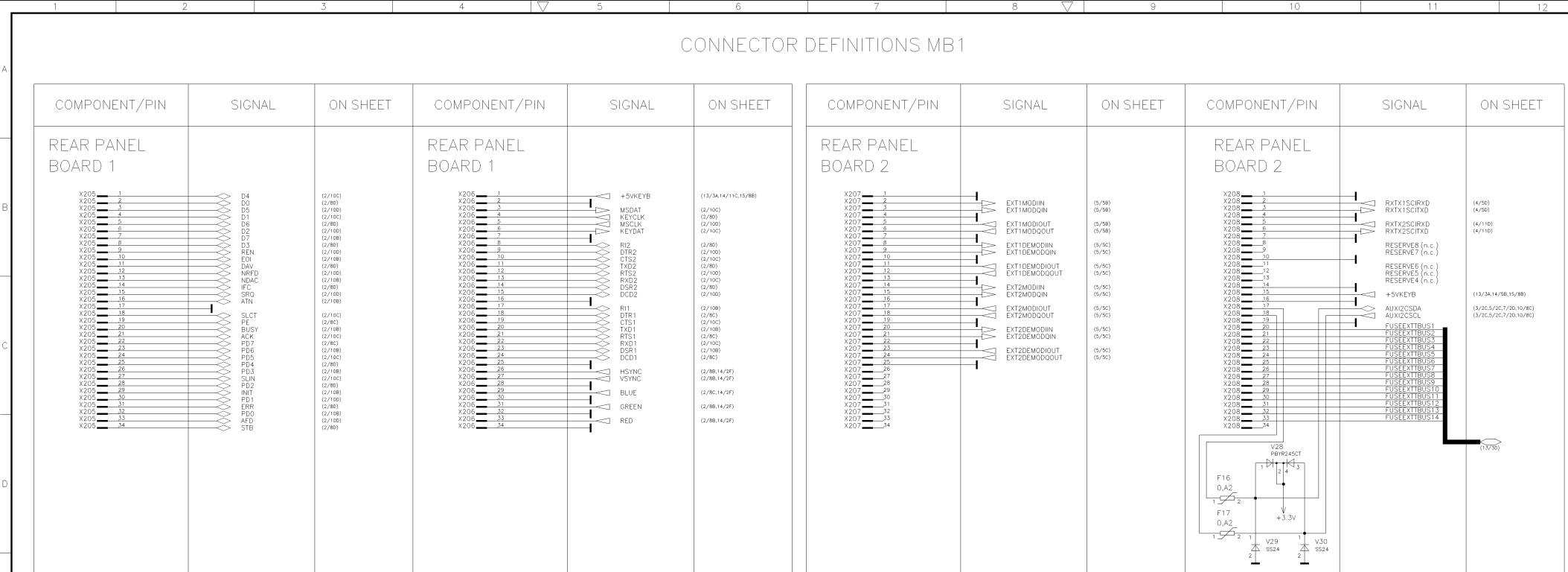
COMPONENT/PIN	SIGNAL	ON SHEET
FLOPPY		
X218 1 2 X218 3 4 X218 5 6 X218 7 8 X218 9 10 X218 11 12 X218 13 14 X218 15 16 X218 17 18 X218 19 20 X218 21 22 X218 23 24 X218 25 26 X218 27 28 X218 29 30 X218 31 32 X218 33 34	>+5.2V >+5.2V >+5.2V >+5.2V DCHG M02 DIRC STEP WD WE TRKO WP RDD HS	(2/80) (2/100) (2/100) (2/80) (2/100) (2/100) (2/100) (2/100) (2/100) (2/100) (2/100) (2/100) (2/100) (2/100) (2/100) (2/100)

COMPONENT/PIN	SIGNAL	ON SHEET
FRONTEND BOARD		
X215 1 X215 2 X215 3 X215 4 X215 5 X215 6 X215 7 X215 8 X215 9 X215 10 X215 11 X215 12 X215 13 X215 14 X215 15 X215 16 X215 17 X215 18 X215 19 X215 20 X215 21 X215 22 X215 23 X215 24 X215 25 X215 26 X215 27 X215 28 X215 29 X215 30 X215 31 X215 32 X215 33 X215 34	+5VREF DIAGNOSE POWERINT 3/0DBATT1 FERXAMP1 3/0DBATT2 FERXAMP2 FEZC3DA FEZC3SL ADXIN ADCL ADSDATA ADSCAL ADCP0 ADCS ADCNV	(3/28,4/28,4/88,5/28,6/28) (7/28,4/28,10,66,16/28) (3/20,5/20,6/10C,7/20,9/10C) (16/20,16/20) (6/10C,7/20,9/10C)

ROHDE & SCHWARZ Bezeichnung / Denomination: MOTHERBOARD
Typ: CMU Datum: 00-02-16 Abteilung Opt.: 1CMK Name: KRAETSCH
Type: CMU Date: 00-02-16 Department Opt.: 1CMK Name: KRAETSCH
Zeilenummer / Drawing No.: 1100.0908.01 S
Zeile / Drawing No.: 1100.0908.01 S
Sprache / Lang.: DE Amt / C.I.: 02.01 Blatt / Sh.: 13+

TOP/TOF 13

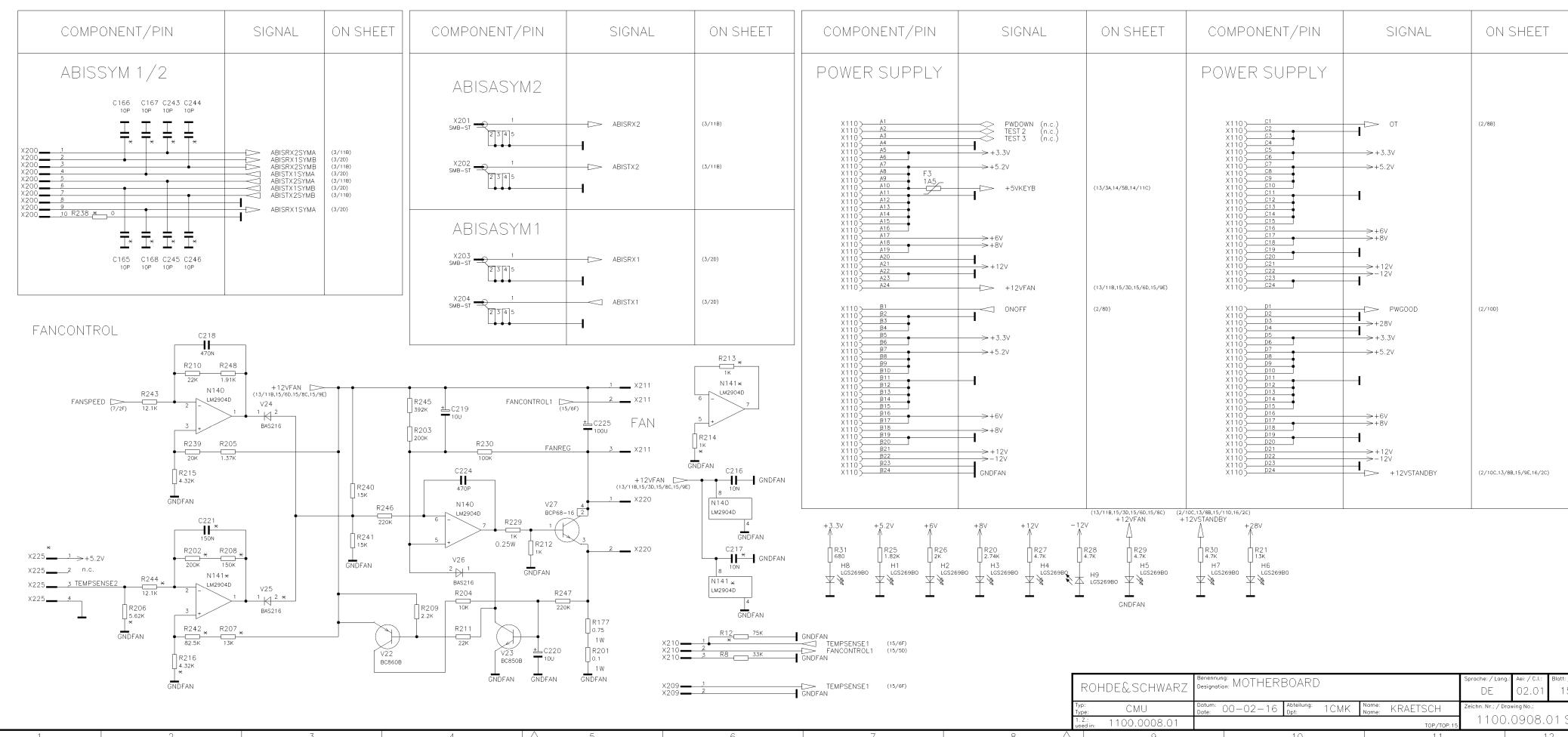
CONNECTOR DEFINITIONS MB1

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ROHDE & SCHWARZ		Beschreibung / Designation: MOTHERBOARD		Sprache / Lang: DE 02.01	
Type:	CMU	Datum:	00-02-16	Abteilung:	1CMK
Type:		Date:		Opt.:	KRAETSCH
use in:	1100.0008.01	Name:		Zeichn. Nr. / Drawing No:	1100.0908.01 S

CONNECTOR DEFINITIONS MB1

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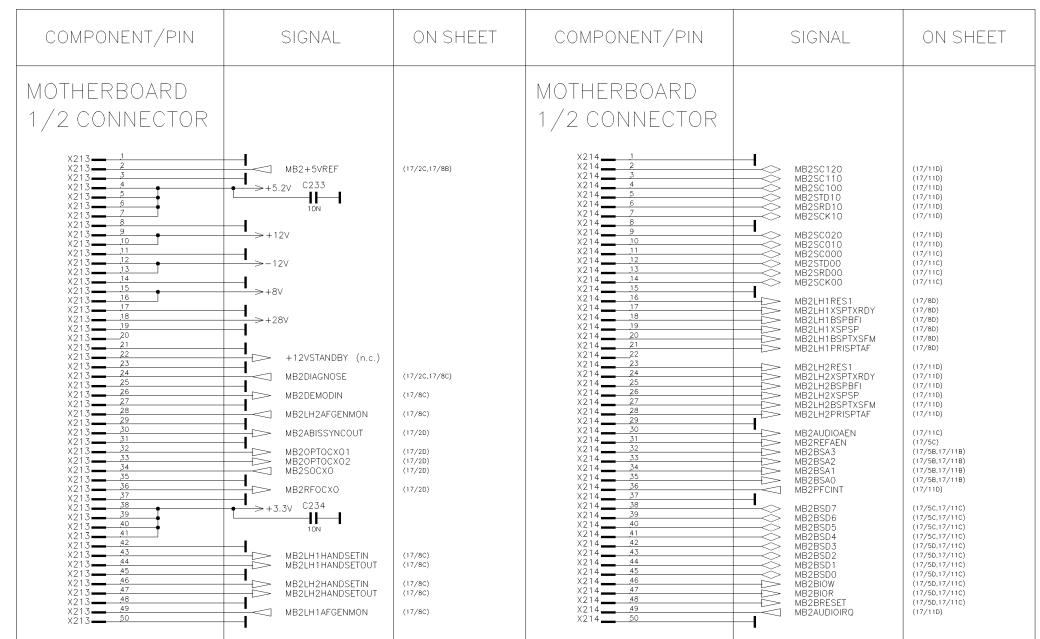
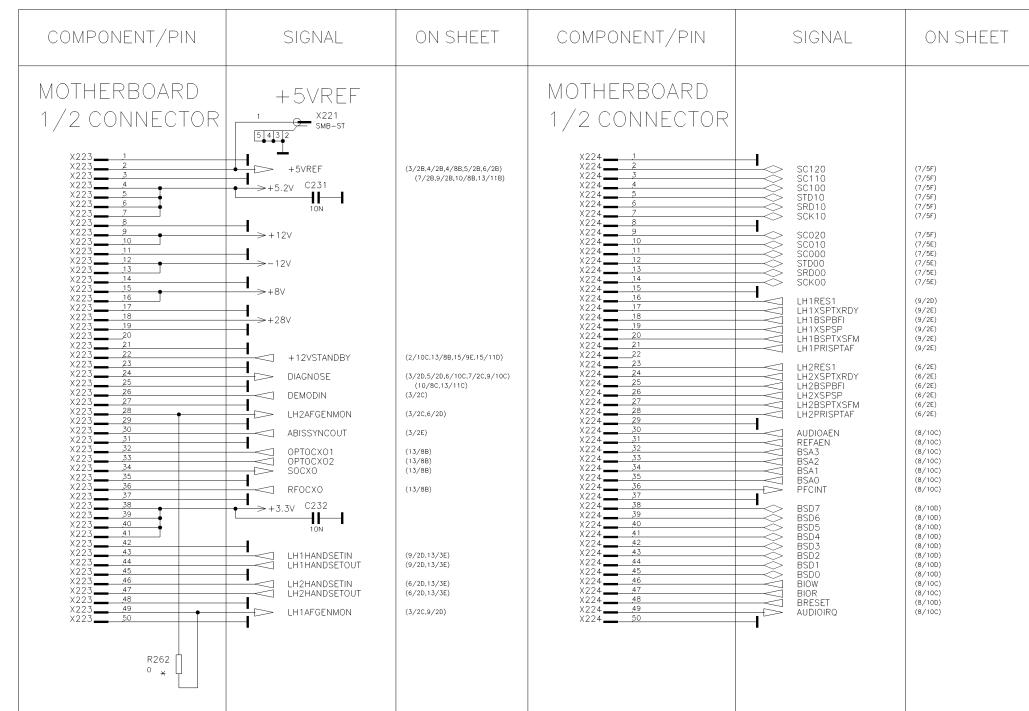


ROHDE & SCHWARZ	Bezeichnung / Designation:	MOTHERBOARD	Sprache / Lang:	DE	Ausl. / C.I.:	02.01	Blatt / Sh.:	15+
Type: Type:	Datum: Date:	Abteilung: Opt.:	Name: Name:	1CMK	KRAETSCH		Zeilchen-Nr. / Drawing No.:	1100.0908.01 S

TOP/TOF/15

CONNECTOR DEFINITIONS MB1

CONNECTOR DEFINITIONS MB2

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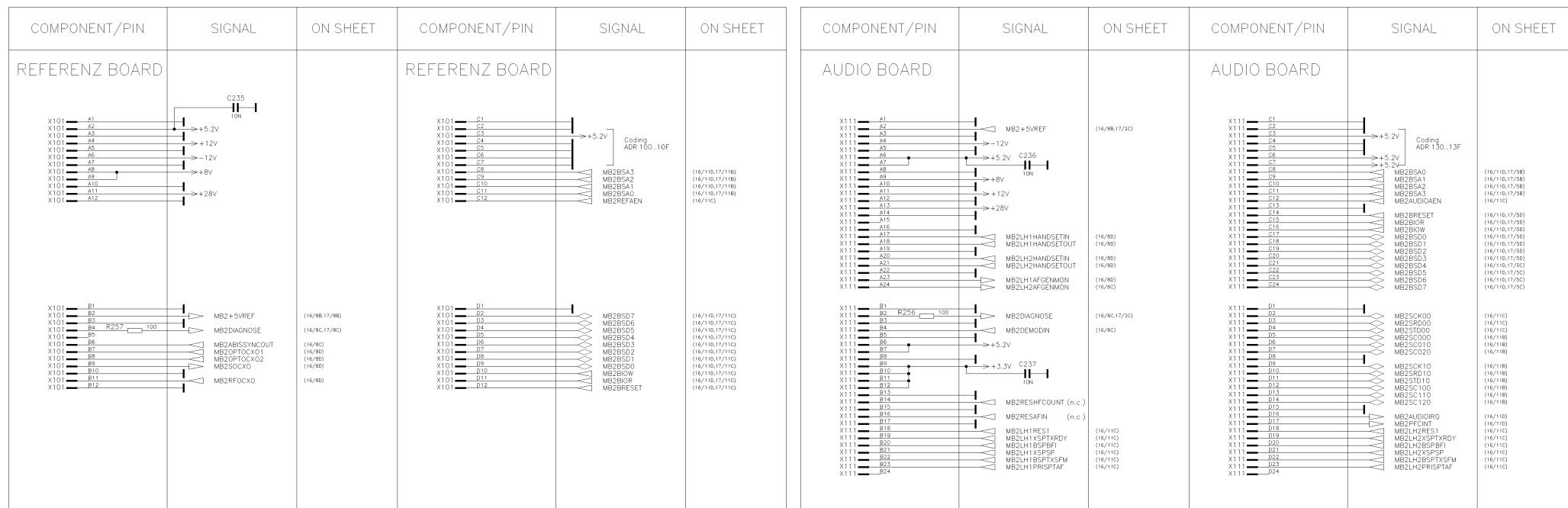
ROHDE & SCHWARZ Bezeichnung: MOTHERBOARD
Designation: MOTHERBOARD

Type: CMU	Date: 00-02-16	Abteilung: Opt.	Name: KRAETSCH
1100.00008.01			Zeilen-Nr. / Drawing No.: TOP/TOF 16
1100.0908.01 S			

Sprache / Lang: DE Amt / C.I.: 02.01 Blatt / Sh. 16+

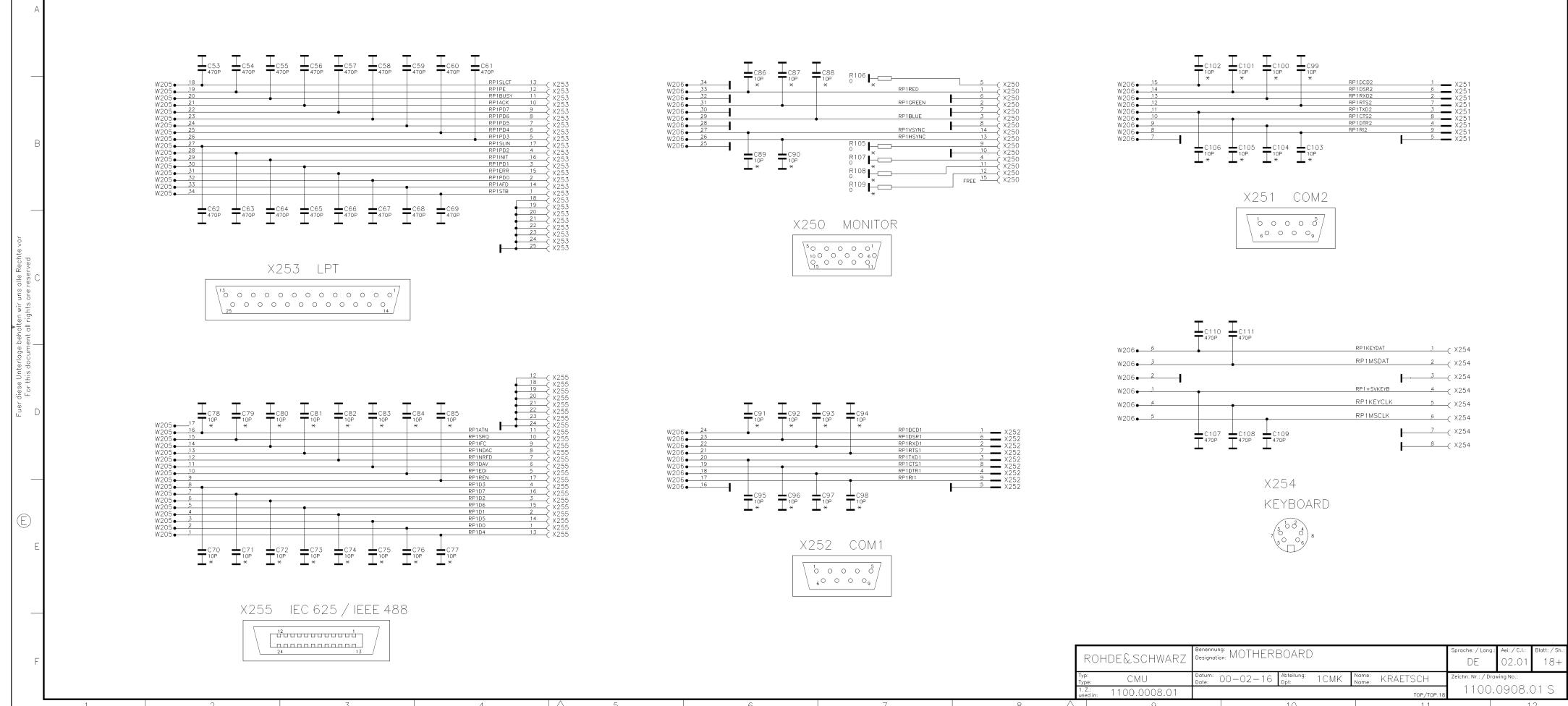
CONNECTOR DEFINITIONS MB2

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CONNECTOR DEFINITIONS REAR PANEL BOARD 1

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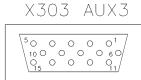


1 2 3 4 5 6 7 8 9 10 11 12

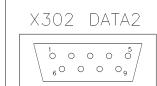
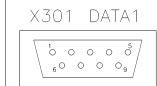
CONNECTOR DEFINITIONS FRONT PANEL BOARD

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COMPONENT/PIN	SIGNAL	COMPONENT/PIN
MOTHERBOARD		
W219 ₁	FP+5VKEYB	H11
W219 ₂	FPLDRF4IN	H12
W219 ₃	(19/36)	H13
W219 ₄	FPLDRF3OUT	H14
W219 ₅	FPLDRF2IN	H15
W219 ₆	FPLDRF2OUT	H16
W219 ₇	FPLDRF1IN	6x H1MP1719
W219 ₈	FPLDRF1OUT	
W219 ₉		C134 100P
W219 ₁₀	FPPFUSEEXTTBUS1	C135 100P
W219 ₁₁	FPPFUSEXTTBUS2	C136 100P
W219 ₁₂	FPPFUSEXTTBUS3	C137 100P
W219 ₁₃	FPPFUSEXTTBUS4	C138 100P
W219 ₁₄	FPPFUSEXTTBUS5	C139 100P
W219 ₁₅	FPPFUSEXTTBUS6	C140 100P
W219 ₁₆	FPPFUSEXTTBUS7	J C X303
W219 ₁₇	FPPFUSEXTTBUS8	2 C X303
W219 ₁₈	FPPFUSEXTTBUS9	3 C X303
W219 ₁₉	FPPFUSEXTTBUS10	4 C X303
W219 ₂₀	FPPFUSEXTTBUS11	5 C X303
W219 ₂₁	FPPFUSEXTTBUS12	6 C X303
W219 ₂₂	FPPFUSEXTTBUS13	7 C X303
W219 ₂₃	FPPFUSEXTTBUS14	8 C X303
W219 ₂₄		9 C X303
W219 ₂₅	FPLH1HANDSETIN	10 C X303
W219 ₂₆	FPLH1HANDSETOUT	11 C X303
W219 ₂₇		12 C X303
W219 ₂₈	FPLH2HANDSETIN	13 C X303
W219 ₂₉	FPLH2HANDSETOUT	14 C X303
W219 ₃₀		15 C X303
W219 ₃₁	(19/24)	
W219 ₃₂	FP+5VKEYB	1 C X304
W219 ₃₃		2 C X304
W219 ₃₄		3 C X304
W219 ₃₅		4 C X304
W219 ₃₆		5 C X304
W219 ₃₇		6 C X304
W219 ₃₈		7 C X304
W219 ₃₉		8 C X304
W219 ₄₀		9 C X304
W219 ₄₁		1 C X305
W219 ₄₂		2 C X305
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W219 ₅₀		1 C X306
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W219 ₅₂		3 C X306
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W219 ₅₉		1 C X307
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W219 ₆₂		4 C X307
W219 ₆₃		5 C X307
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W219 ₆₇		9 C X307
W219 ₆₈		1 C X308
W219 ₆₉		2 C X308
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W219 ₁₀₅		2 C X312
W219 ₁₀₆		3 C X312
W219 ₁₀₇		4 C X312
W219 ₁₀₈		5 C X312
W219 ₁₀₉		6 C X312
W219 ₁₁₀		7 C X312
W219 ₁₁₁		8 C X312
W219 ₁₁₂		9 C X312
W219 ₁₁₃		1 C X313
W219 ₁₁₄		2 C X313
W219 ₁₁₅		3 C X313
W219 ₁₁₆		4 C X313
W219 ₁₁₇		5 C X313
W219 ₁₁₈		6 C X313
W219 ₁₁₉		7 C X313
W219 ₁₂₀		8 C X313
W219 ₁₂₁		9 C X313
W219 ₁₂₂		1 C X314
W219 ₁₂₃		2 C X314
W219 ₁₂₄		3 C X314
W219 ₁₂₅		4 C X314
W219 ₁₂₆		5 C X314
W219 ₁₂₇		6 C X314
W219 ₁₂₈		7 C X314
W219 ₁₂₉		8 C X314
W219 ₁₃₀		9 C X314
W219 ₁₃₁		1 C X315
W219 ₁₃₂		2 C X315
W219 ₁₃₃		3 C X315
W219 ₁₃₄		4 C X315
W219 ₁₃₅		5 C X315
W219 ₁₃₆		6 C X315
W219 ₁₃₇		7 C X315
W219 ₁₃₈		8 C X315
W219 ₁₃₉		9 C X315
W219 ₁₄₀		1 C X316
W219 ₁₄₁		2 C X316
W219 ₁₄₂		3 C X316
W219 ₁₄₃		4 C X316
W219 ₁₄₄		5 C X316
W219 ₁₄₅		6 C X316
W219 ₁₄₆		7 C X316
W219 ₁₄₇		8 C X316
W219 ₁₄₈		9 C X316
W219 ₁₄₉		1 C X317
W219 ₁₅₀		2 C X317
W219 ₁₅₁		3 C X317
W219 ₁₅₂		4 C X317
W219 ₁₅₃		5 C X317
W219 ₁₅₄		6 C X317
W219 ₁₅₅		7 C X317
W219 ₁₅₆		8 C X317
W219 ₁₅₇		9 C X317
W219 ₁₅₈		1 C X318
W219 ₁₅₉		2 C X318
W219 ₁₆₀		3 C X318
W219 ₁₆₁		4 C X318
W219 ₁₆₂		5 C X318
W219 ₁₆₃		6 C X318
W219 ₁₆₄		7 C X318
W219 ₁₆₅		8 C X318
W219 ₁₆₆		9 C X318
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W219 ₁₆₉		3 C X319
W219 ₁₇₀		4 C X319
W219 ₁₇₁		5 C X319
W219 ₁₇₂		6 C X319
W219 ₁₇₃		7 C X319
W219 ₁₇₄		8 C X319
W219 ₁₇₅		9 C X319
W219 ₁₇₆		1 C X320
W219 ₁₇₇		2 C X320
W219 ₁₇₈		3 C X320
W219 ₁₇₉		4 C X320
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W219 ₁₈₁		6 C X320
W219 ₁₈₂		7 C X320
W219 ₁₈₃		8 C X320
W219 ₁₈₄		9 C X320
W219 ₁₈₅		1 C X321
W219 ₁₈₆		2 C X321
W219 ₁₈₇		3 C X321
W219 ₁₈₈		4 C X321
W219 ₁₈₉		5 C X321
W219 ₁₉₀		6 C X321
W219 ₁₉₁		7 C X321
W219 ₁₉₂		8 C X321
W219 ₁₉₃		9 C X321
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W219 ₂₀₀		7 C X322
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W219 ₂₀₇		5 C X323
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W219 ₂₂₀		9 C X324
W219 ₂₂₁		1 C X325
W219 ₂₂₂		2 C X325
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W219 ₂₂₄		4 C X325
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W219 ₂₂₇		7 C X325
W219 ₂₂₈		8 C X325
W219 ₂₂₉		9 C X325
W219 ₂₃₀		1 C X326
W219 ₂₃₁		2 C X326
W219 ₂₃₂		3 C X326
W219 ₂₃₃		4 C X326
W219 ₂₃₄		5 C X326
W219 ₂₃₅		6 C X326
W219 ₂₃₆		7 C X326
W219 ₂₃₇		8 C X326
W219 ₂₃₈		9 C X326
W219 ₂₃₉		1 C X327
W219 ₂₄₀		2 C X327
W219 ₂₄₁		3 C X327
W219 ₂₄₂		4 C X327
W219 ₂₄₃		5 C X327
W219 ₂₄₄		6 C X327
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W219 ₂₄₆		8 C X327
W219 ₂₄₇		9 C X327
W219 ₂₄₈		1 C X328
W219 ₂₄₉		2 C X328
W219 ₂₅₀		3 C X328
W219 ₂₅₁		4 C X328
W219 ₂₅₂		5 C X328
W219 ₂₅₃		6 C X328
W219 ₂₅₄		7 C X328
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W219 ₂₅₇		1 C X329
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W219 ₂₅₉		3 C X329
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W219 ₂₈₂		8 C X331
W219 ₂₈₃		9 C X331
W219 ₂₈₄		1 C X332
W219 ₂₈₅		2 C X332
W219 ₂₈₆		3 C X332
W219 ₂₈₇		4 C X332
W219 ₂₈₈		5 C X332
W219 ₂₈₉		6 C X332
W219 ₂₉₀		7 C X332
W219 ₂₉₁		8 C X332
W219 ₂₉₂		9 C X332
W219 ₂₉₃		1 C X333
W219 ₂₉₄		2 C X333
W219 ₂₉₅		3 C X333
W219 ₂₉₆		4 C X333
W219 ₂₉₇		5 C X333
W219 ₂₉₈		6 C X333
W219 ₂₉₉		7 C X333
W219 ₃₀₀		8 C X333
W219 ₃₀₁		9 C X333
W219 ₃₀₂		1 C X334
W219 ₃₀₃		2 C X334
W219 ₃₀₄		3 C X334
W219 ₃₀₅		4 C X334
W219 ₃₀₆		5 C X334
W219 ₃₀₇		6 C X334
W219 ₃₀₈		7 C X334
W219 ₃₀₉		8 C X334
W219 ₃₁₀		9 C X334
W219 ₃₁₁		1 C X335
W219 ₃₁₂		2 C X335
W219 ₃₁₃		3 C X335
W219 ₃₁₄		4 C X335
W219 ₃₁₅		5 C X335
W219 ₃₁₆		6 C X335
W219 ₃₁₇		7 C X335
W219 ₃₁₈		8 C X335
W219 ₃₁₉		9 C X335
W219 ₃₂₀		1 C X336
W219 ₃₂₁		2 C X336
W219 ₃₂₂		3 C X336
W219 ₃₂₃		4 C X336
W219 ₃₂₄		5 C X336
W219 ₃₂₅		6 C X336
W219 ₃₂₆		7 C X336
W219 ₃₂₇		8 C X336
W219 ₃₂₈		9 C X336
W219 ₃₂₉		1 C X337
W219 ₃₃₀		2 C X337



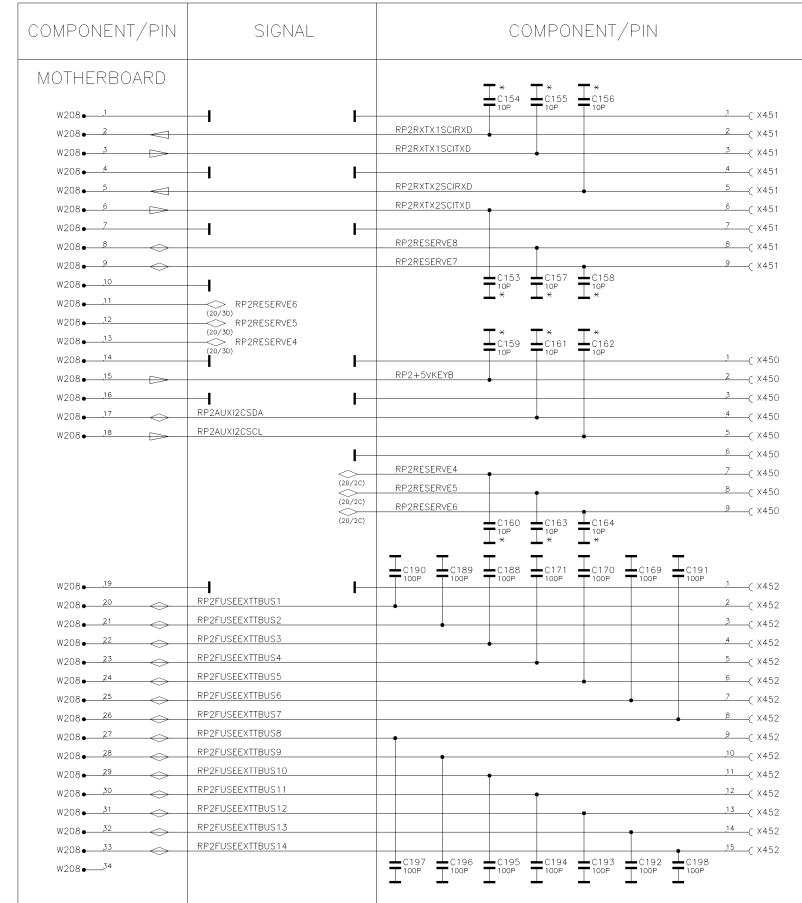
COMPONENT/PIN	SIGNAL	COMPONENT/PIN	
MOTHERBOARD			
W219● 31 ◇◇	FPLH1DCDA	C116 470P	1 x301
W219● 32 ◇◇	FPLH1DSRA	C117 470P	6 x301
W219● 33 ◇◇	FPLH1RXDA	C118 470P	2 x301
W219● 34 ◇◇	FPLH1RTSA	C119 470P	7 x301
W219● 35 ◇◇	FPLH1TXDA	C120 470P	3 x301
W219● 36 ◇◇	FPLH1CTSA		8 x301
W219● 37 ◇◇	FPLH1DTRA		4 x301
W219● 38 ◇◇	FPLH1RIA		9 x301
W219● 39 ◇◇	FPLH1GND	C121 470P	5 x301
W219● 40 ◇◇	FPLH1SERVGNDA	C122 470P	
		C123 470P	
		C124 430P	
W219● 41 ◇◇	FPLH2DCDA	C125 470P	1 x302
W219● 42 ◇◇	FPLH2DSRA	C126 470P	6 x302
W219● 43 ◇◇	FPLH2RXDA	C127 470P	2 x302
W219● 44 ◇◇	FPLH2RTSA	C128 470P	7 x302
W219● 45 ◇◇	FPLH2TXDA	C129 470P	3 x302
W219● 46 ◇◇	FPLH2CTSA		8 x302
W219● 47 ◇◇	FPLH2DTRA		4 x302
W219● 48 ◇◇	FPLH2RIA		9 x302
W219● 49 ◇◇	FPLH2GND		
W219● 50 ◇◇	FPLH2SERVGNDA	C130 470P	
		C131 470P	
		C132 470P	
		C133 430P	

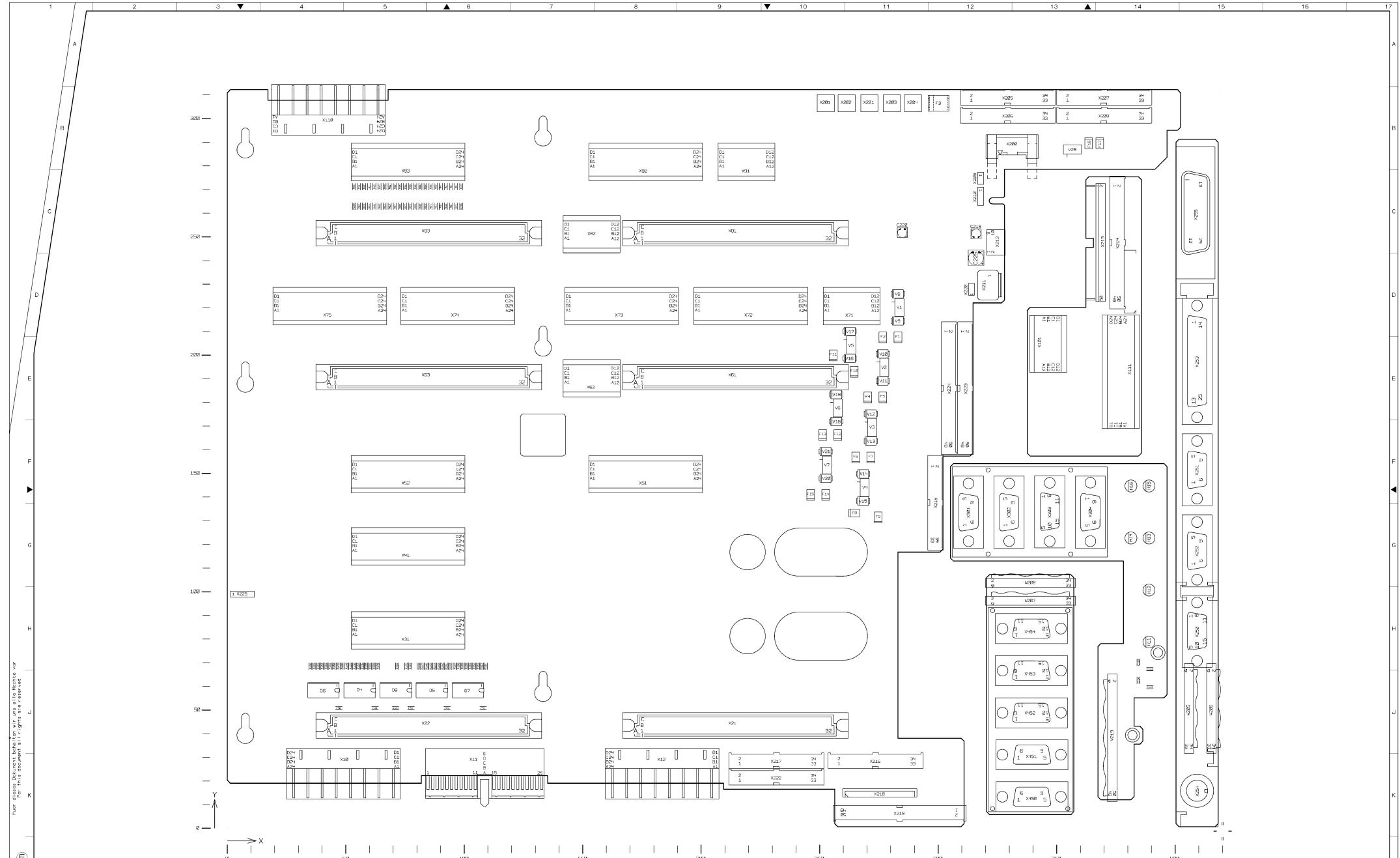


ROHDE & SCHWARZ	Benennung/ Designation:	MOTHERBOARD	Sprache / Lang. Language:	Deutsch DE	Alt. / C.I. Blatt / Sh.	02.01	19+
Type: 1. Z.	CMU	Datum/ Date:	00-02-16	Ablösung/ Opt.:	1CMK	Name/ Name:	KRAETSCH
1. Z.:	1100.00908.01					Zeichn. Nr. / Drawing No.:	1100.00908.01 S

CONNECTOR DEFINITIONS REAR PANEL BOARD 2

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DARSTELLUNG SEITE B
VIEW ON SIDE B



ACHTUNG! ESD!
ELECTROSTATIC SENSITIVE DEVICE
VORSICHT! EMPFINDLICH AUF STatische LUFT

BEDENKE ANAHEN UBER VARIANTEN,
TEILEN UND VERBAUWEISEN.
VOR DER VERBAUUNG SICHERHEIT
TESTEN UND SICHERHEIT TESTEN.

ATTENTION! ESD!
ELECTROSTATIC SENSITIVE DEVICES
VORSICHT! EMPFINDLICH AUF STatische LUFT

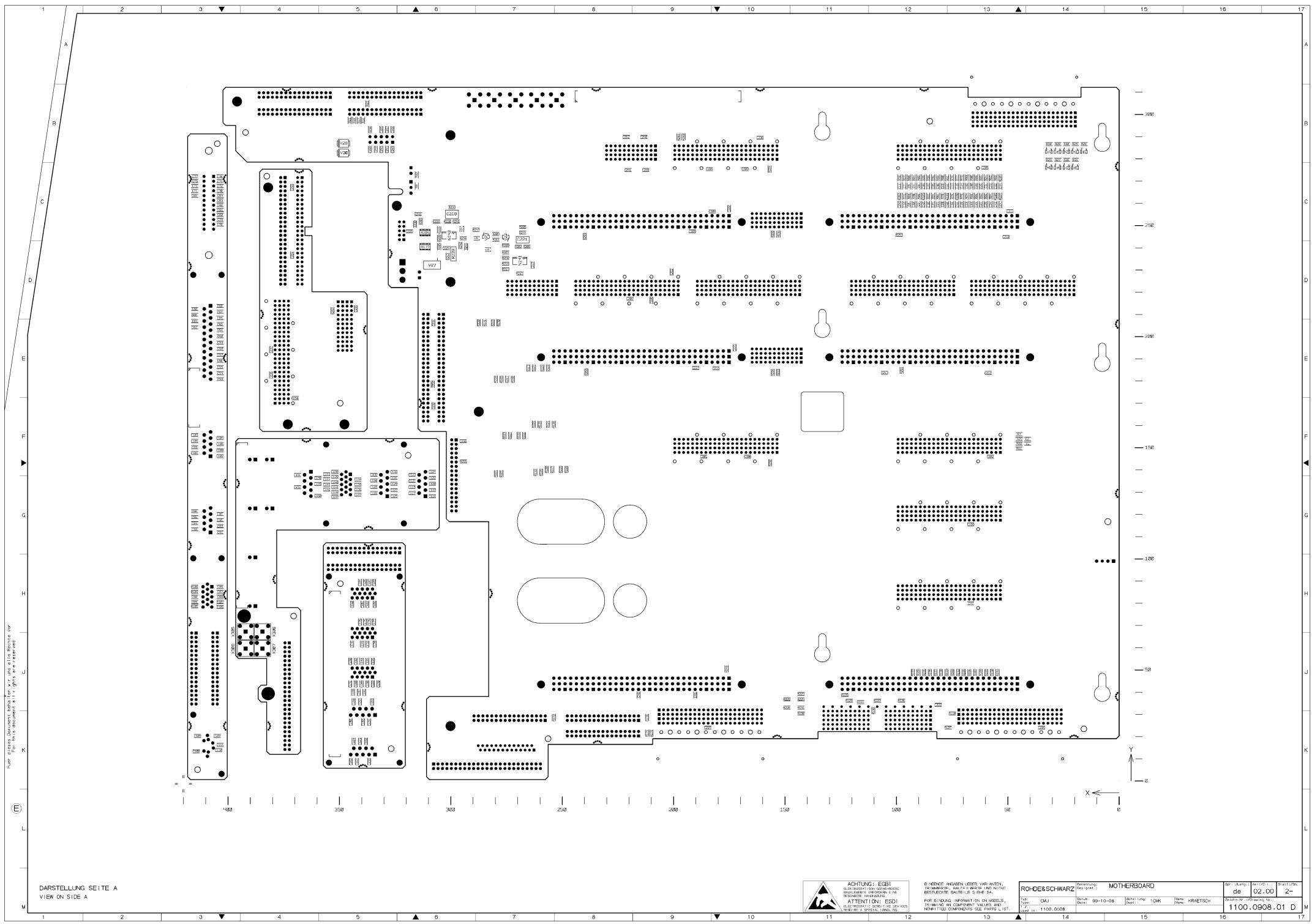
FOR HANDLING INFORMATION MODELS
AND MANUFACTURING COMPONENTS SEE THE LIST.

ROHDE & SCHWARZ
Typ: CMU
Vf.: 1100.0008

Datum: 99-10-08
Aut. / Sign.: TOMK
Name: KRAETSCH

MOTHERBOARD
Bestell-Nr.: 02.00
de 1+
Bestell-Nr.: 1100.0908.01 D

M



DARSTELLUNG SEITE A
VIEW ON SIDE A



ACHTUNG: ESD!
ELECTROSTATIC DISCHARGE
SICHERHEITSHINWEIS:
VORSICHT! STatische Aufladung kann
die Funktion des Geräts beeinflussen.

ATTENTION: ESD!
ELECTROSTATIC DISCHARGE
SAFETY INFORMATION:
CAUTION! Static discharge can affect
the function of the device.

BEDENKE ANAHEN UBER VARIANTEN,
TEILENUMMERN UND FABRICATIONS-
DATUM. DAS SICHERHEITSHINWEIS
WIRD NICHT IN DIESE LISTE EINGETRAGEN.

FOR SIGHTING INFORMATION ON MODELS,
MANUFACTURING, COMPONENT VALUES AND
NAMELISTS, COMPONENTS SEE THE LIST.

ROHDE & SCHWARZ

MOTHERBOARD

Bestell-Nr.: 1100.0908.01 D

Spur-Ablen.
de 02.00
2-

Bestell-Nr.: 1100.0908.01 M

Bestell-Nr.: 1100.0908.01 L

el. Kennz. Part	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
.	VARIANTENERKLAERUNG VERSIONS VAR02=GRUNDAUSFUEHRUNG MOD02=BASIC_MODEL				
C1 .44	CC 68PF+-1% 50VNP0 0603 SMD-CERAMIC-CAPACITOR	0009.9746.00	MURATA	GRM39COG***F50ZPT	
C45 .47	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	0009.4844.00	MURATA	GRM39X7R***K50C500	
C48 .52	CC 100NF+-10%16V HDK 0603 CERAMIC CHIP CAPACITOR	1097.6292.00	MURATA	GRM39 X7R 104K 16 PT	
C53 .69	CC 470PF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	0009.4896.00	MURATA	GRM39X7R***K50C500	
C70 .106	CC 10P+-0,1PF50V NP0 0603 SMD-CERAMIC-CAPACITOR	0009.4567.00	MURATA	GRM39COG***B50ZPT	
	NICHT BESTUECKT				
C107 .111	CC 470PF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	0009.4896.00	MURATA	GRM39X7R***K50C500	
C112 .115	CC 10P+-0,1PF50V NP0 0603 SMD-CERAMIC-CAPACITOR	0009.4567.00	MURATA	GRM39COG***B50ZPT	
	NICHT BESTUECKT				
C116 .133	CC 470PF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	0009.4896.00	MURATA	GRM39X7R***K50C500	
C134 .147	CC 100PF+-1% 50VNP0 0603 SMD-CERAMIC-CAPACITOR	0009.4680.00	MURATA	GRM39COG***F50ZPT	
C148 .152	CC 470PF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	0009.4896.00	MURATA	GRM39X7R***K50C500	
C153 .168	CC 10P+-0,1PF50V NP0 0603 SMD-CERAMIC-CAPACITOR	0009.4567.00	MURATA	GRM39COG***B50ZPT	
	NICHT BESTUECKT				
C169 .171	CC 100PF+-1% 50VNP0 0603 SMD-CERAMIC-CAPACITOR	0009.4680.00	MURATA	GRM39COG***F50ZPT	
C172 .187	CC 10P+-0,1PF50V NP0 0603 SMD-CERAMIC-CAPACITOR	0009.4567.00	MURATA	GRM39COG***B50ZPT	
	NICHT BESTUECKT				
C188 .198	CC 100PF+-1% 50VNP0 0603 SMD-CERAMIC-CAPACITOR	0009.4680.00	MURATA	GRM39COG***F50ZPT	
C199 .216	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	0009.4844.00	MURATA	GRM39X7R***K50C500	
C217	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	0009.4844.00	MURATA	GRM39X7R***K50C500	
	NICHT BESTUECKT				
C218	CC 470NF+-10%50V X7R 1812 CERAMIC CHIP CAPACITOR	0007.7498.00	AVX	1812 5C 474KA T00F	
C219 .220	CE 10UF+-20%16V RUND SMD SMD ELECTROLYTIC CAPACIT.	0010.7914.00	PANASONIC	EEV-HB1C100R	
C221	CC 150NF+-10%50V X7R 1210 CERAMIC CHIP CAPACITOR	0007.7446.00	PHILIPS_CO	2222 592 16643	
	NICHT BESTUECKT				
C222 .223	CC 100NF+-10%16V HDK 0603 CERAMIC CHIP CAPACITOR	1097.6292.00	MURATA	GRM39 X7R 104K 16 PT	
C224	NICHT BESTUECKT				
C225	CC 470PF+-10%50V HDK 0603 SMD-CERAMIC-CAPACITOR	0009.4896.00	MURATA	GRM39X7R***K50C500	
C226 .227	CE 100UF+-20%16V RUND SMD SMD-ELECTOLYTIC CAPACIT.	0009.6553.00	SANYO	16CV100F(G)S	
C227	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	0009.4844.00	MURATA	GRM39X7R***K50C500	
	NICHT BESTUECKT				
C228 .242	CC 10NF+-10% 50VHDK 0603 SMD-CERAMIC-CAPACITOR	0009.4844.00	MURATA	GRM39X7R***K50C500	
C243	NICHT BESTUECKT				
C243 .246	CC 10P+-0,1PF50V NP0 0603 SMD-CERAMIC-CAPACITOR	0009.4567.00	MURATA	GRM39COG***B50ZPT	
C244 .246	CC 10P+-0,1PF50V NP0 0603 SMD-CERAMIC-CAPACITOR	0009.4567.00	MURATA	GRM39COG***B50ZPT	
C244 .246	NICHT BESTUECKT				
C247 .248	CC 68PF+-1% 50VNP0 0603 SMD-CERAMIC-CAPACITOR	0009.9746.00	MURATA	GRM39COG***F50ZPT	
D4 .8	BL PC74HCT245T 8XTRANSC OCTAL BUS TRANSCEIVER	0007.5414.00	PHILIPS_SE	(PC)74HCT245(D/T)	
F1 .2	RK 0,2A FUSE PTC 0,8W SMD RESETTABLE FUSE	2080.6990.00	BOURNS	MF-MSMD020	
F3	RK 1,5A" FUSE PTC"1,9W SMD RESETTABLE FUSE	1081.0290.00	BOURNS	MF-SM-150-2	
F4 .17	RK 0,2A FUSE PTC 0,8W SMD RESETTABLE FUSE	2080.6990.00	BOURNS	MF-MSMD020	
H1 .9	AF LGS269BO GRUEN LED	0009.8362.00	SIEMENS	LG S269-BO (Q1570)	
H11 .16	AF HLMP1719 LED3 GE585N LED	0099.9140.00	QUALITY	HLMP-1719.L31S	
N140	BO LM2904D 2X OPAMP	6024.4010.00	PHILIPS_SE	LM2904D	
N141	IC OPAMP BO LM2904D 2X OPAMP	6024.4010.00	PHILIPS_SE	LM2904D	

 ROHDE & SCHWARZ

Benennung: ED MOTHERBOARD
Designation:

Sprache:
Lang.: de

Blatt:
Sh.: 1 +

Aei:
C.I.: 02.01

Typ: Type: CMU	Datum: Date: 00-02-16	Abteilung: Dpt: 1CMK	Name: Name: KR	Sachnr.: Part No.: 1100.0908.01 SA
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el. Kennz. Part	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
	NICHT BESTUECKT				
R1 .7	RG 10K +-1% TK100 0603 SMD RESISTOR EIA0603	0009.5357.00	PHILIPS_CO	RC 22 H	
R8	RG 33K +-1% TK100 0603 SMD RESISTOR EIA0603	0009.7066.00	PHILIPS_CO	RC 22 H	
R9 .11	RG 10K +-1% TK100 0603 SMD RESISTOR EIA0603	0009.5357.00	PHILIPS_CO	RC 22 H	
R12	RG 75K +-1% TK100 0603 SMD RESISTOR EIA0603	2074.8937.00	DRALORIC	CR 0603	
	NICHT BESTUECKT				
R13 .14	RG 10K +-1% TK100 0603 SMD RESISTOR EIA0603	0009.5357.00	PHILIPS_CO	RC 22 H	
R15 .19	RG 10K +-1% TK100 0603 SMD RESISTOR EIA0603	0009.5357.00	PHILIPS_CO	RC 22 H	
	NICHT BESTUECKT				
R20	RG 2K74 +-1% TK100 0603 SMD RESISTOR EIA0603	0010.8410.00	PHILIPS_CO	RC 22 H	
R21	RG 13K +-1% TK100 0603 SMD RESISTOR EIA0603	1097.6428.00	PHILIPS_CO	RC 22 H	
R22 .24	RG 61R9 +-1%TK100 0603 SMD RESISTOR EIA0603	0048.4841.00	PHILIPS_CO	RC 22 H	
R25	RG 1K82 +-1% TK100 0603 SMD RESISTOR EIA0603	0010.8404.00	PHILIPS_CO	RC 22 H	
R26	RG 2K0 +-1% TK100 0603 SMD RESISTOR EIA0603	1097.6328.00	PHILIPS_CO	RC 22 H	
R27 .30	RG 4K7 +-1% TK100 0603 SMD RESISTOR EIA0603	0009.7020.00	PHILIPS_CO	RC 22 H	
R31	RG 680R +-1% TK100 0603 SMD RESISTOR EIA0603	0009.6982.00	PHILIPS_CO	RC 22 H	
R32 .63	RG 10K +-1% TK100 0603 SMD RESISTOR EIA0603	0009.5357.00	PHILIPS_CO	RC 22 H	
R64 .104	RG 61R9 +-1%TK100 0603 SMD RESISTOR EIA0603	0048.4841.00	PHILIPS_CO	RC 22 H	
R105 .109	RG 0-OHM WIDERSTAND 0603 SMD RESISTOR EIA0603	0009.9369.00	PHILIPS_CO	RC21 0 OHM	
	NICHT BESTUECKT				
R110	RG 0-OHM WIDERSTAND 0603 SMD RESISTOR EIA0603	0009.9369.00	PHILIPS_CO	RC21 0 OHM	
R112 .118	RG 0-OHM WIDERSTAND 0603 SMD RESISTOR EIA0603	0009.9369.00	PHILIPS_CO	RC21 0 OHM	
	NICHT BESTUECKT				
R119 .132	RG 0-OHM WIDERSTAND 0603 SMD RESISTOR EIA0603	0009.9369.00	PHILIPS_CO	RC21 0 OHM	
R133 .164	RG 68R +-1% TK100 0603 SMD RESISTOR EIA0603	0009.6930.00	PHILIPS_CO	RC 22 H	
R165 .171	RG 0-OHM WIDERSTAND 0603 SMD RESISTOR EIA0603	0009.9369.00	PHILIPS_CO	RC21 0 OHM	
	NICHT BESTUECKT				
R172	RG 68R +-1% TK100 0603 SMD RESISTOR EIA0603	0009.6930.00	PHILIPS_CO	RC 22 H	
R173 .176	RG 0-OHM WIDERSTAND 0603 SMD RESISTOR EIA0603	0009.9369.00	PHILIPS_CO	RC21 0 OHM	
	NICHT BESTUECKT				
R177	RG 0R75 1% 1W 1218 SMD RESISTOR	1100.3671.00	PHILIPS_CO	PRC201-0R75 1% TK250	
R178 .184	RG 1K0 +-1% TK100 0603 SMD RESISTOR EIA0603	0009.5340.00	PHILIPS_CO	RC 22 H	
R185 .200	RG 27,4 OHM+-1%TK100 0603 SMD RESISTOR EIA0603	0009.9046.00	PHILIPS_CO	RC 22 H	
R201	RG 0R1 1% 1W 1218 SMD-RESISTOR	6100.7785.00	PHILIPS_CO	PRC201-0R1 1% TK700	
R202	RG 200K +-1% TK100 0603 SMD RESISTOR EIA0603	1093.6200.00	PHILIPS_CO	RC 22 H	
	NICHT BESTUECKT				
R203	RG 200K +-1% TK100 0603 SMD RESISTOR EIA0603	1093.6200.00	PHILIPS_CO	RC 22 H	
R204	RG 10K +-1% TK100 0603 SMD RESISTOR EIA0603	0009.5357.00	PHILIPS_CO	RC 22 H	
R205	RG 1K37 +-1% TK100 0603 SMD RESISTOR EIA0603	1097.6111.00	PHILIPS_CO	RC 22 H	
R206	RG 5K62 +-1% TK100 0603 SMD RESISTOR EIA0603	0010.8433.00	PHILIPS_CO	RC 22 H	
	NICHT BESTUECKT				
R207	RG 13K +-1% TK100 0603 SMD RESISTOR EIA0603	1097.6428.00	PHILIPS_CO	RC 22 H	
	NICHT BESTUECKT				
R208	RG 150K +-1% TK100 0603 SMD RESISTOR EIA0603	0009.7095.00	PHILIPS_CO	RC 22 H	
	NICHT BESTUECKT				
R209	RG 2K2 +-1% TK100 0603 SMD RESISTOR EIA0603	0009.7008.00	PHILIPS_CO	RC 22 H	
R210 .211	RG 22K +-1% TK100 0603 SMD RESISTOR EIA0603	0009.7050.00	PHILIPS_CO	RC 22 H	
R212	RG 1K0 +-1% TK100 0603 SMD RESISTOR EIA0603	0009.5340.00	PHILIPS_CO	RC 22 H	
R213 .214	RG 1K0 +-1% TK100 0603 SMD RESISTOR EIA0603	0009.5340.00	PHILIPS_CO	RC 22 H	



ROHDE & SCHWARZ

Benennung: ED MOTHERBOARD
Designation:

Sprache:
Lang.: de

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Sh.: 2 +

Aei:
C.I.: 02.01

Typ:
Type: CMU

Datum:
Date: 00-02-16

Abteilung:
Dpt: 1CMK

Name:
Name: KR

Sachnr.:
Part No.: 1100.0908.01 SA

el. Kennz. Part	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
R215	NICHT BESTUECKT RG 4K32 ±1% TK100 0603 SMD-RESISTOR EIA0603	0048.6438.00	DRALORIC	CR 0603	
R216	RG 4K32 ±1% TK100 0603 SMD-RESISTOR EIA0603	0048.6438.00	DRALORIC	CR 0603	
R217 .228	NICHT BESTUECKT RG 0-ohm WIDERSTAND 0603 SMD RESISTOR EIA0603	0009.9369.00	PHILIPS_CO	RC21 0 OHM	
R229	RG 1K0 ±1% TK100 1206 CHIP RESISTOR	0006.7271.00	ROEDERSTEI	D25	
R230	RG 100K ±1% TK100 0603 SMD RESISTOR EIA0603	0009.5363.00	PHILIPS_CO	RC 22 H	
R231 .232	RG 0-ohm WIDERSTAND 0603 SMD RESISTOR EIA0603	0009.9369.00	PHILIPS_CO	RC21 0 OHM	
R233	RG 0-ohm WIDERSTAND 0603 SMD RESISTOR EIA0603	0009.9369.00	PHILIPS_CO	RC21 0 OHM	
R234	NICHT BESTUECKT RG 0-ohm WIDERSTAND 0603 SMD RESISTOR EIA0603	0009.9369.00	PHILIPS_CO	RC21 0 OHM	
R235 .236	RG 10K ±1% TK100 0603 SMD RESISTOR EIA0603	0009.5357.00	PHILIPS_CO	RC 22 H	
R237	RG 61R9 ±1%TK100 0603 SMD RESISTOR EIA0603	0048.4841.00	PHILIPS_CO	RC 22 H	
R238	RG 0-ohm WIDERSTAND 0603 SMD RESISTOR EIA0603	0009.9369.00	PHILIPS_CO	RC21 0 OHM	
R239	NICHT BESTUECKT RG 20K ±1% TK100 0603 SMD RESISTOR EIA0603	0010.9100.00	PHILIPS_CO	RC 22 H	
R240 .241	RG 15K ±1% TK100 0603 SMD RESISTOR EIA0603	0009.7043.00	PHILIPS_CO	RC 22 H	
R242	RG 82K5 ±1% TK100 0603 SMD RESISTOR EIA0603	0010.9123.00	PHILIPS_CO	RC 22 H	
R243	NICHT BESTUECKT RG 12K1 ±1% TK100 0603 SMD RESISTOR EIA0603	0010.8462.00	PHILIPS_CO	RC 22 H	
R244	RG 12K1 ±1% TK100 0603 SMD RESISTOR EIA0603	0010.8462.00	PHILIPS_CO	RC 22 H	
R245	NICHT BESTUECKT RG 392K±1% TK100 0603 RESISTOR	1097.6528.00	PHILIPS_CO	RC 22 H	
R246 .247	RG 220K ±1% TK100 0603 SMD RESISTOR EIA0603	0009.7108.00	PHILIPS_CO	RC 22 H	
R248	RG 1K91 ±1% TK100 0603 SMD RESISTOR EIA0603	1097.6128.00	PHILIPS_CO	RC 22 H	
R249 .257	RG 100R ±1% TK100 0603 SMD RESISTOR EIA0603	0009.5334.00	PHILIPS_CO	RC 22 H	
R258 .261	RG 220R ±1% TK100 0603 SMD RESISTOR EIA0603	0009.6953.00	PHILIPS_CO	RC 22 H	
R262	NICHT BESTUECKT RG 0-ohm WIDERSTAND 0603 SMD RESISTOR EIA0603	0009.9369.00	PHILIPS_CO	RC21 0 OHM	
R263	RG 61R9 ±1%TK100 0603 SMD RESISTOR EIA0603	0048.4841.00	PHILIPS_CO	RC 22 H	
V1 .7	AG PBYR245CT 2X45V 1A0 SCHOTTKY RECTIFIER DIODE	0009.5311.00	PHILIPS	PBYR245CT	
V8 .21	AG SS24 SGL 40V 2AO SCHOTTKY RECTIFIER	1081.1880.00	GEN_INSTRU	SS24	
V22	AK BC860B P 45V 150MA TRANSISTOR	0007.7975.00	MOTOROLA	BC860B	
V23	AK BC850B N 45V 100MA TRANSISTOR	0007.7969.00	VALVO	BC850B	
V24	AD BAS216 75V UDI HIGHSPEED SWITCHING DIODE	0010.9346.00	PHILIPS_SE	BAS216	
V25	AD BAS216 75V UDI HIGHSPEED SWITCHING DIODE	0010.9346.00	PHILIPS_SE	BAS216	
V26	NICHT BESTUECKT AD BAS216 75V UDI HIGHSPEED SWITCHING DIODE	0010.9346.00	PHILIPS_SE	BAS216	
V27	AD BAS216 75V UDI HIGHSPEED SWITCHING DIODE	0008.2019.00	PHILIPS	BCP68-25	
V28	AK BCP68-16 N 20V 1A MEDIUM POWER TRANSISTOR	0008.2019.00	PHILIPS	BCP68-25	
V28	AG PBYR245CT 2X45V 1A0 SCHOTTKY RECTIFIER DIODE	0009.5311.00	PHILIPS	PBYR245CT	
V29 .30	AG SS24 SGL 40V 2AO SCHOTTKY RECTIFIER	1081.1880.00	GEN_INSTRU	SS24	
W205	DY KABEL W205 CABLE W205	1100.1085.00			
W206	DY KABEL W206 CABLE W206	1100.1091.00			
W207	DY KABEL W207 CABLE W207	1100.1056.00			
W208	DY KABEL W208 CABLE W208	1100.1062.00			
W219	DY KABEL W219 CABLE W219	1100.1079.00			
X10	FP BUCHSENLEISTE 96P.WINK	6056.1746.00	BERG_ELEKT	89037-101	

 ROHDE & SCHWARZ

Benennung: ED MOTHERBOARD
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Aei:
C.I.: 02.01

Typ: Type: CMU	Datum: Date: 00-02-16	Abteilung: Dpt: 1CMK	Name: Name: KR	Sachnr.: Part No.: 1100.0908.01 SA
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el. Kennz. Part	Benennung Designation	Sachnummer Stock No.	Hersteller Manufacturer	Bezeichnung Designation	enthalten in contained in
X11	CONNECTOR FP BU.LEISTE COMP.BUS110P	1093.6546.00	ERNI	064176	
X12	CONNECTOR FP BUCHSENLEISTE 96P.WINK	6056.1746.00	BERG_ELEKT	89037-101	
X21	CONNECTOR FP BUCHSENLEISTE 96POL.	0272.9129.00	DEUT_ELCO	20 8457 096 004 025	
..22	FEMALE MULTIPPOINT CONNECT				
X31	FP STECKERLEISTE 96P.GER.	1100.4410.00	BERG_ELEKT	88953-105	
	CONNECTOR				
X41	FP STECKERLEISTE 96P.GER.	1100.4410.00	BERG_ELEKT	88953-105	
	CONNECTOR				
X51	FP STECKERLEISTE 96P.GER.	1100.4410.00	BERG_ELEKT	88953-105	
..52	CONNECTOR				
X61	FP BUCHSENLEISTE 96POL.	0272.9129.00	DEUT_ELCO	20 8457 096 004 025	
	FEMALE MULTIPPOINT CONNECT				
X62	FP STECKERLEISTE 48P.GER	0386.6340.00	BERG_ELEKT	70233-111	
	CONNECTOR				
X63	FP BUCHSENLEISTE 96POL.	0272.9129.00	DEUT_ELCO	20 8457 096 004 025	
	FEMALE MULTIPPOINT CONNECT				
X71	FP STECKERLEISTE 48P.GER	0386.6340.00	BERG_ELEKT	70233-111	
	CONNECTOR				
X72	FP STECKERLEISTE 96P.GER.	1100.4410.00	BERG_ELEKT	88953-105	
..75	CONNECTOR				
X81	FP BUCHSENLEISTE 96POL.	0272.9129.00	DEUT_ELCO	20 8457 096 004 025	
	FEMALE MULTIPPOINT CONNECT				
X82	FP STECKERLEISTE 48P.GER	0386.6340.00	BERG_ELEKT	70233-111	
	CONNECTOR				
X83	FP BUCHSENLEISTE 96POL.	0272.9129.00	DEUT_ELCO	20 8457 096 004 025	
	FEMALE MULTIPPOINT CONNECT				
X91	FP STECKERLEISTE 48P.GER	0386.6340.00	BERG_ELEKT	70233-111	
	CONNECTOR				
X92	FP STECKERLEISTE 96P.GER.	1100.4410.00	BERG_ELEKT	88953-105	
..93	CONNECTOR				
X101	FP STECKERLEISTE 48P.GER	0386.6340.00	BERG_ELEKT	70233-111	
	CONNECTOR				
X110	FP BUCHSENLEISTE 96P.WINK	6056.1746.00	BERG_ELEKT	89037-101	
	CONNECTOR				
X111	FP STECKERLEISTE 96P.GER.	1100.4410.00	BERG_ELEKT	88953-105	
	CONNECTOR				
X200	FP STECKERLEISTE 10P.GER	0846.4593.00	SIEMENS	V23535-A2200-A102	
	CONNECTOR 10P				
X201	FJ EINBAUSTECKER F.GS SMB	0063.5168.00	ROSENBERGE	59S106-400-D3	
..204	PLUG				
X205	FP STIFTLEISTE 34P.COD.	1100.3788.00	SAMTEC	STMM-117-01-G-D	
..208	CONNECTOR				
X209	FP STIFTLEISTE 2P.R2,54	0010.7014.00			
	PIN CONNECTOR				
X210	FP STIFTLEISTE 3P.R2,54	0009.6101.00			
	PIN CONNECTOR				
X211	FP STECKERLEISTE 3P.GER	6014.4324.00	J_S_T_DEUT	B3P-VH	
	CONNECTOR				
X212	FP BUCHSENLEISTE 10P.WINK	1091.2366.00	MPE	BL22-47AGG-10 BZ0457	
	CONNECTOR				
X213	FP STECKERLEISTE 50P.WIN	1051.4545.00	BERG_ELEKT	86453-550	
	CONNECTOR 50P.				
X214	FP STIFTLEISTE 50P.COD.	1100.3794.00	SAMTEC	STMM-125-01-G-D	
	CONNECTOR				
X215	FP STIFTLEISTE 34P.COD.	1100.3788.00	SAMTEC	STMM-117-01-G-D	
..217	CONNECTOR				
X218	FP BUCHSENLEISTE 26P.ZIF	1091.2137.00	MOLEX	MLX52030-2610	
	CONNECTOR				
X219	FP STIFTLEISTE 50P.COD.	1100.3794.00	SAMTEC	STMM-125-01-G-D	
	CONNECTOR				
X220	FP STIFTLEISTE 2P.R2,54	0009.5992.00			
	PIN CONNECTOR				
X221	FJ EINBAUSTECKER F.GS SMB	0063.5168.00	ROSENBERGE	59S106-400-D3	
	PLUG				
X222	FP STIFTLEISTE 34P.COD.	1100.3788.00	SAMTEC	STMM-117-01-G-D	
	CONNECTOR				
X223	FP STIFTLEISTE 50P.COD.	1100.3794.00	SAMTEC	STMM-125-01-G-D	
..224	CONNECTOR				
X225	FP STIFTLEISTE 4P.R2,54	0009.8462.00			
	PIN CONNECTOR				
	NICHT BESTUECKT				
X250	FM BUCHSENLEISTE 15P. HD	1091.2189.00	FCT	CT09-15S1	
	CONNECTOR				
X251	FM STECKERLEISTE 9P.WRAP	0614.3777.00	FCT	F09P4G1	
..252	CONNECTOR				
X253	FM BUCHSENLEISTE 25P.WRAP	0680.2375.00	FCT	F25S4G1	
	CONNECTOR 25P.				
X254	FO EINBAUBUCHSE 6P.F.GS	1100.3871.00	YAMAICHI	MDIN06K	
	CONNECTOR				
X255	FM BUCHSENLEISTE 24P.F.GS	1091.2237.00	AMP	554501-2	
	CONNECTOR				
X301	FM STECKERLEISTE 9P.WRAP	0614.3777.00	FCT	F09P4G1	
..302	CONNECTOR				
X303	FM BUCHSENLEISTE 15P. HD	1091.2189.00	FCT	CT09-15S1	
	CONNECTOR				

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